

NAVSEA
STANDARD ITEM

FY-04

ITEM NO: 009-32
DATE: 30 AUG 2002
CATEGORY: II

1. SCOPE:

1.1 Title: Cleaning and Painting Requirements; accomplish

2. REFERENCES:

2.1 Standard Items

2.2 S9086-VD-STM-010/020/030/CH-631, Volumes 1, 2 and 3, Preservation of Ships in Service

2.3 S9086-VG-STM-010/CH-634, Deck Coverings

2.4 ASTM F718, Shipbuilders and Marine Paints and Coatings Product/Procedure Data Sheet

2.5 29 CFR 1915, Occupational Safety and Health Standards for Shipyard Employment, Subparts C and Z

2.6 Systems and Specifications, Steel Structures Painting Manual, Volume 2

2.7 *NACE Book of Standards*

2.8 ASTM D4417, Standard Test Methods for Field Measurement of Surface Profile of Blast Cleaned Steel

2.9 S9086-CN-STM-010/CH-79, Volume 2, Damage Control - Practical Damage Control

2.10 S9086-RK-STM-010/CH-505, Piping Systems

3. REQUIREMENTS:

3.1 Accomplish the requirements of 009-09 of 2.1 for coating system applications to areas listed in ***the following tables:***

<u>TABLE</u>	<u>LINE</u>
One	All

<u>TABLE</u>	<u>LINE</u>
2	One through 10
3	Lines 13 through 26
4 through 8	All
9	One through 6
10	7 and 14 through 27
11	All
15	All
16	All

3.2 Provide a written notice to the SUPERVISOR and the Commanding Officer's designated representative of potential exposure of personnel to toxic or hazardous substances.

3.2.1 Post the notice at the ship's Quarterdeck or other designated location for each job or separate area at least four hours, but not more than 24 hours, prior to the start of work. The notice shall contain the following information:

- 3.2.1.1 Ship's name and hull number
- 3.2.1.2 Work Item number
- 3.2.1.3 Compartment or frame number
- 3.2.1.4 Identification of hazard
- 3.2.1.5 Date and time of work process
- 3.2.1.6 Identification of engineering and work practice

controls

3.2.2 Deliver notification of work planned over a weekend or Monday following that weekend to the Commanding Officer's designated representative not later than 0900 on the Friday immediately preceding that weekend.

3.2.3 Deliver notification of work planned on a federal holiday and on the day following the federal holiday to the Commanding Officer's designated representative not later than 0900 on the last working day preceding the federal holiday.

3.3 Submit material certification of abrasive blast media conforming to MIL-A-22262 prior to blasting. The abrasive blast medium must be listed on the Qualified Products List (QPL) QPL 22262, or have written notification from NAVSEA **indicating QPL approval to MIL-A-22262.**

3.4 Record and maintain records in accordance with Section 11 of 2.2 and Paragraph 634-3.35 of 2.3, containing the required information on preservation of freeboard; hangar, flight, catapult, and vertical replenishment decks;

chain lockers; **rast track trough**; interior surfaces of intake vent plenums, defined as combustion air intakes (gas turbine, diesel, and steam) and other vent system intake plenums with openings greater than 7 square feet; uptake spaces; tanks; voids; cofferdams; well deck overheads; bilges **for steel and aluminum substrates**; **underwater hull surfaces of the ship for all substrates**, and including the following:

3.4.1 Surface preparation method, including name of abrasive and QPL 22262 revision number from which the product was purchased, or copy of NAVSEA product approval letter and surface profile readings

3.4.2 Ambient and metal surface temperatures, relative humidity, and dew point at four-hour intervals, unless otherwise specified in 2.2 or 2.3 during preservation process. Information for environment shall be recorded from conditions on-site, in close proximity to the structure.

3.4.3 Name of paint/non-skid, manufacturer, batch number, and date of manufacture and expiration

3.4.4 Material safety data sheets and 2.4 for each proprietary coating used

3.4.5 Surface conductivity

3.4.6 Elapsed time between coats

3.4.7 Dry film thickness (DFT) for the total system

3.4.8 Name and type of spray equipment utilized

3.4.9 Record temperature of paint and non-skid storage 24 hours in advance of use. Temperature shall be maintained within the limits specified in 2.2 and 2.3 and shall be recorded once per shift during the 24-hour period prior to use.

3.4.10 Submit **one** legible copy, **in hard copy or electronic media**, of recorded information on QA Checklist Forms 631-12.5 of 2.2 (see 4.7) and Figure 634-3-25 of 2.3 to the SUPERVISOR upon completion of each Work Item.

3.4.11 Submit **one** legible copy, **in hard copy or electronic media**, of the manufacturer's warranty documents to the SUPERVISOR when specified in the Job Order.

3.5 Consider marine coatings to contain heavy metals (e.g., lead, cadmium, or chromium), hexavalent chromium, crystalline silica and/or other toxic or hazardous substances.

3.5.1 Submit **one** legible copy, **in hard copy or electronic media**, of the laboratory analysis listing results of personnel monitoring to the SUPERVISOR within 10 working days of any such testing.

3.5.2 Submit **one** legible copy, **in hard copy or electronic media**, of a report when no personnel monitoring was conducted, which provides the basis for such a decision not to engage in personnel monitoring.

(V)(G) or (I)(G) "ENVIRONMENTAL READINGS" (See 4.4 for criteria.)

3.6 Ambient and metal surface temperatures, relative humidity, and dew point at a minimum of four-hour intervals during painting process shall be recorded from conditions on-site, in close proximity to the structure being coated.

3.6.1 Coatings applied on areas listed in 3.4 shall be applied only when the temperature of the prepared substrate is greater than 50 degrees Fahrenheit and a minimum of 5 degrees Fahrenheit above the dew point.

3.6.1.1 Euronavy ES301 is exempt from dew point requirement of 3.6.1.

(V)(G) or (I)(G) "CLEANLINESS" (See 4.4 for criteria.)

3.6.2 Accomplish degreasing/cleaning prior to surface preparation to ensure removal of surface contaminants, such as sea salts, loose rust, mud, marine growth, grease, oil, and other petroleum products.

3.6.3 Accomplish the safety precautions as specified in 2.2, 2.5, and the Job Order during surface preparation and the application or removal of marine coatings.

3.6.4 Blasters, painters, and coating inspectors shall be certified in accordance with Section 11 of 2.2.

3.6.5 Select the specific requirements of 2.2, 2.3, 2.6, and 2.7 listed in the application of Tables One through 18 of this item for determining the type of surface preparation required and coating system options that are available for use in accomplishing the work specified unless otherwise directed in the Work Item.

3.6.6 For non-skid coatings, surface preparation methods outlined in Paragraph 634-3.27 of 2.3 must be strictly followed.

3.6.6.1 Companies performing non-skid application shall be certified in accordance with QP-1 of 2.6.

3.6.7 Limit surfaces being prepared for preservation in size to an area which can be coated prior to the occurrence of flash rusting and/or oxidation. Remove any flash rust prior to painting, except as follows:

3.6.7.1 Surfaces cleaned by waterjetting shall meet the applicable Standard for flash rust.

3.6.8 Abrasive blast equal to an NACE 2/SSPC-SP-10 of **2.6 and 2.7**, and prime steel and aluminum plates, shapes, and ferrous piping prior to shipboard installations except in the areas where weld joints remain to be accomplished, or unless specified otherwise in the invoking Work Item.

3.6.9 For disturbed and/or inaccessible areas, the minimum surface preparation shall be that shown in the applicable Tables, except that an SSPC-SP-11 is acceptable for areas originally requiring an NACE 2/SSPC-SP-10 or NACE 5/SSPC-SP-12.

3.6.9.1 Disturbed areas are defined as any surface that requires cleaning and/or painting due to existing paint finish being damaged in the accomplishment of work specified by the Job Order.

3.6.9.2 Closure plates/hull accesses and their associated welds will not be considered a disturbed surface and shall be cleaned and painted by the applicable table. Deviations to the requirements may be authorized by the SUPERVISOR based on size, location, application, or severity of condition of coating system being applied.

3.6.10 Feather edges of well-adhered paint remaining after cleaning.

3.6.11 Clean, prior to painting, insulation and lagging free of foreign matter and contaminants that would prevent adherence of paint.

3.6.12 Clean prepared and previously painted surfaces free of foreign matter which will affect adherence of paint coatings. Inclusions such as dust and debris in the paint film shall be removed prior to the application of the next coat.

3.6.13 Remove foreign matter and debris resulting from cleaning operations.

3.6.14 Record and restore existing painted labels, compartment designations, hull markings, and other painted information which will be removed or covered during cleaning and painting operations.

3.6.15 Install masking material for protection of equipment and items not to be painted during preservation. Shipboard items not to be painted are listed in Paragraphs 631-8.22 of **2.2**.

(V)(G) or (I)(G) "SURFACE PROFILE" (See 4.4 for criteria.)

3.6.16 Following blasting **or waterjetting** operations, surface peak-to-valley profile must be checked. If profile of 2 to 3 mils is not present, profile must be established, based upon 5 readings per 1,000 square feet. Profile measurements shall be taken in accordance with Method C of **2.8**.

3.6.16.1 When surface profile requirements of the manufacturer's instructions are greater than that specified in this item, they shall supersede this item.

3.6.16.2 Waterjetting will not establish a profile. If this method is employed and a profile does not exist or is insufficient to meet the requirements, the contractor will still be required to establish a profile.

(I)(G) "CONDUCTIVITY MEASUREMENT" |

3.6.17 Accomplish conductivity measurements for the Tables and Lines listed in 3.1. |

3.6.17.1 Accomplish surface conductivity checks using available field or laboratory test equipment on the freshly prepared surface. Five determinations shall be conducted every 1,000 square feet. Areas less than 1,000 square feet shall have five determinations made. For immersed applications, such as tanks and bilges, conductivity measurements **shall not** exceed 30 microsiemens/cm. For non-immersed applications, conductivity measurements **shall not** exceed 70 microsiemens/cm. If conductivity measurements exceed the respective values, water wash the affected areas with fresh water. Dry the affected areas and remove all standing water. Accomplish surface conductivity checks on affected areas. Repeat step until satisfactory levels are obtained. |

(V)(G) or (I)(G) "SURFACE PREPARATION" (See 4.4 for criteria.)

3.6.18 Verify surface preparation for the coating systems specified in **Tables One through 18 in accordance with 2.2 through 2.4, 2.6, and 2.7.**

3.7 Store paint in a cool, dry place, do not expose to freezing temperatures or direct sunlight, and in accordance with manufacturer's instructions. Storage of non-skid coatings shall be in accordance with Table 634-3-6 of 2.3.

3.8 Coating systems shall be applied in accordance with the applicable tables and 2.2.

3.8.1 When using two-part coating systems (epoxies and polyurethanes), use of "partial kits" is prohibited unless using verified proportioning equipment or other verified measuring equipment (gravimetric).

3.8.2 For commercial underwater hull coating systems including anti-corrosive paints and anti-fouling paints, the manufacturer's primer must be used with his anti-fouling coating. No substitution is allowed.

3.8.2.1 Successive coats of anti-corrosive paints shall be of a contrasting color.

3.8.3 Utilize water-based latex fire retardant paints in preference to chlorinated alkyd based fire retardant paints. Such paints are available under MIL-PRF-24596 or a Naval Sea Systems Command (NAVSEA) approved product (Formula 25A). Accomplish the surface preparation and coating application requirements of 2.2 when using water-based paints.

3.8.4 Apply the first coat of MIL-P-15931 (Formulas 121/129) or MIL-PRF-24647 anti-fouling paint when the last coat of epoxy paint is still slightly tacky (approximately four to six hours after paint application) **and in accordance with 2.4**. Tacky is defined as that curing (drying) stage when a fingertip pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger. If the epoxy is hard (usually eight hours after application), apply a tack coat of epoxy paint one to two mils wet film thickness (WFT) over previously painted surfaces. The tack coat shall be allowed to cure (dry) to when a fingertip pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger, then apply the next full coat of the system.

3.8.5 Mix and apply the approved proprietary coatings in accordance with manufacturer's instructions, except for requirements when invoked for surface preparation and minimum DFT as specified in Tables One, 4, 5, 6, 7, and 15. The requirements of 3.8.4 also apply to manufacturers' proprietary coatings.

3.8.6 Mix and apply the Navy Polyamide Epoxy MIL-DTL-24441 coatings in accordance with the following, except the DFT shall be as specified in Tables One through 11, 14, and 15. The MIL-DTL-24441 coatings mixing ratio is one-to-one by volume. The components of the various formulas are not interchangeable. Blend each component thoroughly prior to mixing the components. After mixing equal volumes of the two components, the mixture must be thoroughly stirred. For Type III only, the stand-in times listed below must be observed.

3.8.6.1 Stand-in time (induction time) is defined as the time immediately following the mixing of the components A and B during which the critical reaction period of these components is initiated and is essential to the complete curing of the coating. During stand-in time the mixture must be thoroughly stirred at least once every 20 minutes to avoid hot spots caused by localized overheating from the chemical reaction.

<u>Surface Temperature at Job Site</u> <u>(Degrees Fahrenheit)</u>	<u>Stand-In Time in Hours</u>
35 to 50	2 hours at 70 degrees Fahrenheit (paint temperature)
50 to 60	2 hours at job site temperature
60 to 70	one hour to 1-1/2 hours at job site temperature
70 and Above	1/2 to one hour at job site temperature

(V)(G) or (I)(G) "STRIPE COAT INSPECTION" (See 4.4 for criteria.)

3.8.7 Apply stripe coat to **edges, weld seams, welds of attachments and appendages, cutouts, corners, butts, foot/handholds (including inaccessible areas such as back side of piping, under side of I-beams), and other mounting hardware (non-flat surface) in accordance with 2.4. Stripe coat these areas after the prime coat has dried. Stripe coating applied shall be neat in appearance, minimizing extra thickness applied to edges as well as streaks and drops of paint. The stripe coat shall encompass all edges as well as at least a one-inch border outside each edge and weld.**

3.8.7.1 Apply one stripe coat after the primer (or mist coat after inorganic zinc) for MIL-PRF-23236 coatings.

3.8.7.2 Apply one stripe coat after the primer for MIL-DTL-24441 coat system and another stripe coat after the intermediate coat, but prior to final coat. For a two-coat system, only one stripe coat is required.

3.8.7.3 Each stripe coat shall be unthinned paint of the specified paint system and shall be a different color from both the paint over which it is being applied and the next coat in the system. First coat inspection shall be conducted prior to stripe coat application.

3.8.8 Drying time between coats of specified coating for potable and feedwater tanks shall be a minimum of 48 hours at a minimum temperature of 70 degrees Fahrenheit, using heated air if necessary to maintain temperature. Ventilation shall be sufficient to ensure continuous flow of air through the tanks with at least one complete air change every four hours. Mixing and stand-in times (induction times) shall be in accordance with manufacturer's instructions.

3.8.9 **Following coating applications, potable and feedwater tanks shall be continuously ventilated** for at least seven consecutive days prior to filling with water. Maintain a temperature of 70 degrees Fahrenheit within the tanks. Ventilation shall ensure continuous flow of air with a minimum of one complete air change every four hours. **Verify and document daily that ventilation is properly installed and running.**

3.8.9.1 Freshly painted potable water tanks shall be rinsed at least twice with fresh water to ensure cleanliness of tank.

(I)(G) "INSPECT TANK"

3.8.9.2 Inspect tank for cleanliness and coating integrity.

3.9 Prior to application of any **solvent-based** alkyd **coating**, such as MIL-PRF-24635, over an epoxy coating, allow epoxy to dry to at least a tacky state as defined in 3.8.4, before overcoating with any **solvent-based** alkyd **coating**.

3.10 Prior to application of any water-based coating, such as MIL-PRF-24596, over an epoxy coating, allow epoxy to dry at least 16 hours before overcoating with any water-based coating.

3.11 Overcoating of MIL-DTL-24441 with MIL-DTL-24441:

3.11.1 If less than 7 days has elapsed since the application of the prior coat, the next coat may be applied after visual inspection to confirm the absence of grease, dirt, salts, or other surface contaminants. If surface contamination is suspected as a result of visual inspection or for other reasons, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. The next coat of MIL-DTL-24441 shall be applied after surfaces are completely dried.

3.11.2 If more than 7 days but less than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash followed by a fresh water rinse. Ensure the surface has fully dried, then apply a tack coat (one to 2 mils WFT) of the last coat applied or Formula 150. The tack coat shall be allowed to cure (dry) to when a fingertip pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger, then apply the next full coat of the system.

3.11.3 If greater than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. After allowing the surface to dry, the surface shall be lightly abraded using a brush-off abrasive blast (preferred), power sanding, or hand sanding, then apply the next full coat of the system.

3.12 Overcoating of MIL-DTL-24441 with non-MIL-DTL-24441 (proprietary) **epoxy** topcoats:

3.12.1 The non-MIL-DTL-24441 topcoat shall be applied before the MIL-DTL-24441 base coat has hardened (while still tacky as defined in 3.8.4).

3.12.1.1 If the MIL-DTL-24441 base coat has hardened but less than 30 days has elapsed, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. Ensure the surface has fully dried, then apply a tack coat (one to 2 mils WFT) of the last coat applied or Formula 150. The tack coat shall be allowed to cure (dry) to when a fingertip pressed lightly against the film leaves only a slight impression and none of the film sticks to the finger, then apply the next full coat of the non-MIL-DTL-24441 system.

3.12.1.2 If greater than 30 days has elapsed since the application of the prior coat, the entire surface shall be cleaned using a fresh water and detergent wash, followed by a fresh water rinse. After allowing the surface to dry, the surface shall be lightly abraded using a brush-off abrasive blast (preferred), power sanding, or hand sanding, then

apply a full coat of MIL-DTL-24441. Let this coat dry to a tacky state as defined in 3.8.4, then apply the next full coat of the non-MIL-DTL-24441 system.

3.13 Overcoating of non-MIL-DTL-24441 (proprietary) epoxy coatings:

3.13.1 Follow the manufacturer's direction for the allowable overcoat window, not to exceed 30 days. The 30-day maximum may be extended beyond 30 days if specifically approved in writing by NAVSEA. Where the basecoat and topcoat are provided from different manufacturers, the term "manufacturer" refers to the manufacturer of the basecoat.

3.13.1.1 If either the manufacturer's recommendation or the 30-day window (or a specific extension approved by NAVSEA) has been exceeded, the coating shall be reactivated by either following the manufacturer's recommendation for re-activating the surface or cleaning the entire surface using a fresh water and detergent wash, followed by a fresh water rinse. After allowing the surface to dry, the surface shall be lightly abraded using a brush-off abrasive blast (preferred), power sanding, or hand sanding.

3.13.1.2 Apply the next full coat of the proprietary system, if used. If MIL-DTL-24441 is being used for the topcoat, apply one full coat of MIL-DTL-24441 Formula 150, let dry to a tacky state as defined in 3.8.4, then apply one full coat of MIL-DTL-24441 of the desired color.

3.13.2 Comply with the time requirements of 2.3 for application of non-skid over primer coat.

(V)(G) or (I)(G) "FILM THICKNESS" (See 4.4 for criteria.)

3.14 Measure DFT of each coat applied for the coating systems listed in **Tables One through 18**.

3.14.1 When measuring full coats, DFT readings shall not be taken in areas where stripe coatings have been applied.

3.14.2 DFT readings for each coat shall be taken in accordance with Method PA-2 of 2.6.

3.14.3 WFT readings are required in lieu of dry when the system requires application of a tack coat. Refer to film thickness conversion table in 2.6. WFT equals DFT divided by percent solids by volume (when percent solids by volume is expressed as a decimal, i.e., 60 percent equals 0.60).

3.14.4 For underwater hull paint systems, record a minimum of 30 DFT readings per 1,000 square feet. Baseline DFT readings of underwater hull paint system shall be taken after final coat is applied and Quality Assurance spot readings in accordance with 2.6 are completed.

3.14.5 Apply an additional coat of any single coat of a multiple coat system when that coat measures less than its specified DFT. Multiple coats shall be of contrasting color. DFT of each coat, including an additional coat if applied, shall not exceed the specified maximum thickness for each coat.

(I)(G) "HOLIDAY INSPECTION" |

3.15 Perform a visual holiday check on each coat of the system **for areas listed in 3.4**. Any holiday found shall be marked and touched up.

3.15.1 Remove masking material and paint overspray after cleaning and painting operations are completed.

4. NOTES:

4.1 Thicknesses specified in Tables One through 18 are DFT and are minimum requirements, unless otherwise specified.

4.2 Total DFT encountered during removal may exceed specified table thicknesses.

4.3 Total removal of ablative coating is not required in accordance with 631-5.2.3.3 of 2.2. The Work Item will specify the degree of removal.

4.4 The paragraphs referencing this note are considered an (I)(G) if the inspection/test is on a critical surface as listed in 3.4. If the inspection/test is not on a critical surface as listed in 3.4, then the paragraph is considered a (V)(G).

4.5 Touch-up is defined within this Standard Item as preservation operations on cumulative surface areas less than one percent of the total area being preserved, with no individual area greater than 10 square feet. Included under touch-up operations are new and disturbed areas of less than 10 square feet. The requirements of 3.1, 3.4, 3.6, 3.6.2, 3.6.16, 3.6.17, 3.8.7, 3.14, and 3.15 are waived for these touch-up areas. Paragraph 3.6.18 (surface preparation) shall be verified by the accomplishing activity as (V) or (I) inspections prior to coating applications. This note shall not apply to potable or feedwater tanks.

4.6 The word "new" in "new and disturbed surfaces" refers to all material installed on the ship by the contractor regardless of source.

4.7 Structural requirements of Notes (23) and (24) will be addressed by the invoking Work Item.

4.8 QA Checklist Forms referred to in 3.4.10 are invoked by Advance Change Notice 7A to 2.2.

4.9 Preservation Process Instructions (PPIs) provide detailed instructions and procedures for specific ship preservation evolutions to

include safety precautions, surface preparation, selection of appropriate coating systems, and third-party quality assurance check points. See new Section 12 of 2.2 for details. Section 12 is provided in ACN 5A (Control Number N00024-00-FJB25).

NOTES OF TABLES ONE THROUGH 18

- (1) The following items apply to MIL-DTL-24441 coatings:
- a. MIL-DTL-24441 polyamide epoxy paints do not require thinning prior to application. If desired, the low temperature application properties can be improved by the addition of 10 percent by volume of one-to-one mixture of butyl alcohol and high flash naphtha or paint thinner TT-P-291. When sprayed without thinning at the recommended thickness, the paints have no tendency to sag. Apply a thinned mist coat of one to 2 mils WFT over existing paint.
 - b. When MIL-DTL-24441 polyamide epoxy paints are used at a work site having temperatures below 50 degrees Fahrenheit, it is essential that the stand-in period be accomplished in a warm area (70 degrees Fahrenheit) to ensure that the coating will cure.
 - c. Exterior side shell and underwater body painting at surface temperatures between 25 degrees Fahrenheit and 35 degrees Fahrenheit is not recommended, but can be approved by the SUPERVISOR provided the following conditions are met:
 - (1) Ambient temperature must be a minimum of 5 degrees Fahrenheit above the dew point.
 - (2) Hull surfaces must be absolutely dry and free of any signs of frost and ice.
 - (3) Drying time will be increased by four hours for a total of eight hours drying time per coat.
 - (4) No painting is allowed below surface temperature of 25 degrees Fahrenheit.
 - (5) Paint shall be stored at 70 degrees Fahrenheit for 24 hours before use.
 - d. Painting shall not be accomplished unless surface is dry and surface temperature is at least 5 degrees Fahrenheit above the dew point.
 - e. Approximate temperature of paint components in storage should be estimated in order to judge the amount of stand-in time to allow and the pot life that might be expected. The work site application temperature will greatly affect the time required for the paint to cure, and must be considered in estimating batch size, stand-in time, and cure time.

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(Con't)

- f. Paints should be sprayed using standard spray guns with applicable spray-pot pressures. The spray guns should be equipped with a middle-size (D) needle, nipple, and nozzle set-up. Both conventional and airless equipment are suitable for use with these paints.
 - g. Catalyzed paints should not be allowed to stand in the spray equipment for extended periods, especially in the sun (increasing temperature cures the paint more rapidly). The pot life of the paint mixture (Components A and B) is six hours at 73 degrees Fahrenheit.
 - h. Epoxy primers applied in the vicinity of abrasive blasting must be sheltered from airborne contaminants. Abrasive particles trapped in wet paint films are a source of premature blistering and film failure.
- (2) Boottop - The boottopping is defined as the black area from minimum load waterline at which the ship is expected to operate to 12 inches above the maximum load waterline. The black paint is an anti-fouling paint conforming to MIL-PRF-24647 for a 5 to 10-year service life, or MIL-P-15931 for 2-year service life. Haze gray shall be carried to the black anti-fouling paint which marks the upper boottop paint.
 - (3) Ameron Amercoat 235 can be used for cold weather application below 40 degrees Fahrenheit. Apply at 5 mils DFT (minimum) per coat.
 - (4) Use International FCA 321 in lieu of FPA 327, or KHA414 in lieu of KHA062, for cold weather application below 50 degrees Fahrenheit.
 - (5) Use Hempadur 4514U in lieu of 4515 for cold weather applications below 50 degrees Fahrenheit.
 - (6) A minimum of 24 hours drying time shall be allowed after last coat prior to undocking.
 - (7) To ensure a continuous primer base, areas adjacent to those being coated with proprietary primer and non-skid listed on QPL's for MIL-PRF-24667 shall be coated with the same primer and compatible topcoat.
 - (8) ***These systems shall also be invoked for catapult wing voids and catapult exhaust blowdown trunks.***
 - (9) DOD-E-24607, chlorinated alkyd, may also be used. MIL-PRF-24596, Type I, Grade C, Classes 1 and 2, or DOD-E-24607 must be used if surface and ambient temperature are less than 50 degrees Fahrenheit.

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(Con't)

- (10) For MIL-PRF-23236, Types I, III, or IV shall be used in fuel/saltwater ballast service. Qualified paint systems additionally designated Class One may be used with the qualified shop primer - this is generally a new construction issue. Qualified paint systems designated Class 2 are only for saltwater ballast tanks - no exposure to fuels or other hydrocarbons is permitted.
- (11) Coating to be applied in accordance with data sheet. The maximum coating thickness will be the minimum plus 150 percent of minimum, i.e., for 8 mils this will be 8 plus 12 (for maximum allowable of 20 mils).
- (12) These systems may also be invoked for preservation of decks in spaces that are prone to wear and do not receive deck covering.
- (13) Anchors below lower boottopping limit shall be painted in accordance with normal underwater hull anti-corrosion/anti-fouling system.
- (14) For MCM, and MHC ships, use black walnut shells conforming to A-A-1722, Type II, or garnet MIL-A-21380 or garnet MIL-A-22262, for abrasive blast media.
- (15) Anchor chain and detachable links shall be marked and color coated in accordance with NSTM Chapter 581 unless otherwise directed by the Work Item.
- (16) Apply one mist coat (1-2 mils) of Ameron PSX 700 after blast and prior to remaining coats where invoking Work Item requires anchor chain inspections prior to preservation.
- (17) Colors shown in Tables 631-8-13 and 631-8-14 of 2.2, shall be specified by TYCOM or ship's Commanding Officer in accordance with Chapter 631-8.23.4.
- (18) Restore each compartment marking in accordance with 2.9 and 2.10.
- (19) MIL-PRF-24667 non-skid systems shall be applied as complete systems (primer, intermediate coat when MIL-PRF-24667, Type III, coatings are invoked, non-skid, and color topping) from the same manufacturer except for the color topping. When a manufacturer does not have approved color topping, use another compatible manufacturer's color topping. MIL-PRF-24667, Type I, when required, shall be specified in the invoking Work Item. Boundaries of areas receiving non-skid not specified by specific ship's drawings shall be in accordance with 2.3.
- (20) Prior to accomplishing painting of wooden underwater hulls, allow the hull to dry to a moisture content of 15 percent. Readings shall be taken

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with an electronic moisture meter, Sovereign Moisture Master or equal. Cover grounding plates and zincs prior to painting.

- (21) Blasted surface metal must be degreased following walnut shell blasting. Even traces of residual oil will degrade coating adhesion. Optimum method is to wipe down the blasted surface with a 1:1 solvent mixture by volume of methyl ethyl ketone and mineral spirits. Appropriate safety precautions for working with flammable solvents must be enforced. Alternate procedure is a vigorous soap and water wash followed by pressurized fresh water rinse. Do not use a detergent and fresh water washdown when using aluminum oxide as an abrasive blast medium.
- (22) Blasted surface must be cleaned to near white surface finish, NACE 2/SSPC-SP-10, or NACE 5/SSPC-SP-12 condition WJ-2L.
- (23) For non-edge retentive coatings, radiusing of edges is recommended to ensure maximum service life. If edges are not radiused, the service life could be substantially reduced.
- (24) Deburring and grinding of weld spatter is recommended to ensure maximum service life. If weld spatter is not removed, the service life of the coating could be substantially reduced.
- (25) Power impact tool cleaning using power-driven needle guns, chipping or scaling hammers, rotary scalers, single or multiple-piston scalers, or other similar impact cleaning tools shall not be utilized in the cleaning methods.
- (26) For Tables 4 through 6, maintain the relative humidity in the tank or void space at a maximum of 50 percent from the start of abrasive blasting to cure of the topcoat.
- (27) Finish coats for boats and craft shall be as specified in Paragraph 631-9.3.4 through 631-9.3.5 of 2.2 unless otherwise specified in the invoking Work Item.
- (28) Thermal insulation shall be soap and water cleaned and hand sanded.
- (29) Three coats of MIL-DTL-24441, Type III, at 3-4 mils per coat can be substituted for 2 coats of MIL-DTL-24441, Type IV, at 4-6 mils per coat, for total system DFT of 8-12 mils.
- (30) Grit blasting to near white metal is the preferred method of surface preparation. Only where grit blasting is not possible should power tool cleaning be used. Power tool cleaning should not be used for well deck areas frequently exposed to LCAC exhaust.

NOTES OF TABLES ONE THROUGH 18
(Con't)

- (31) A low pressure (3,000 to 5,000 psi) fresh water washdown of the well deck area shall be performed before either grit blasting or power tool cleaning to remove dirt, oil, grease, salts, and loosely adherent coatings.
- (32) Upon completion of surface preparation, **pH** measurements must be taken. The **pH** must be in the range of 6.5 to 7.5. If it is not, the surface must be washed with fresh water until the required **pH** is obtained.
- (33) Runs, sags, and drips may appear in the coating due to its solvent-free nature and application properties. In the normal application of this product, the appearance of runs, sags, and drips is only superficial and is not detrimental to the coating system. In these cases, no action shall be taken. In cases where the conditions are determined to be detrimental (coating in excess of 50 mils DFT) to the effectiveness of the coating system, immediate action shall be taken. If the wet run, sag, or drip occurs on a dry surface, brush out the run, sag, or drip and reapply the prime coat directly over the brushed out area. If the run, sag, or drip has dried, then the affected area shall be scraped or mechanically removed and the prime coat shall be reapplied.
- (34) These systems may also be invoked for preservation of well deck bulkheads and decks.
- (35) ***These systems shall also be invoked for barricade stanchions and wells, and catapult jet blast deflector pits and associated void spaces.***
- (36) Install vermiculite based anti-sweat treatment in accordance with Paragraph 631-7.8.3 and 631-7.8.4 of 2.2.
- (37) Total DFT specified in Table 4 for potable water tanks shall not be exceeded except in isolated areas adjacent to shapes and stiffeners. In no case shall the maximum DFT be exceeded by two mils. The isolated areas shall be less than two percent of the total area.
- a. For touch-up or overcoating intact aged paint in good condition, the same requirements for each coat apply, and the total film thickness maximum requirement may be corrected to allow for thickness of underlying aged paint. Requirement is to avoid excess thickness in individual coats. High DFT resulting from the application of extra coats of paint is not considered to be a problem below 35 mils total DFT.
- (38) Formula 124, DOD-E-24607 tinted with DOD-C-22325 may be used when none of the approved colors are available. However, this should be a last resort.

NOTES OF TABLES ONE THROUGH 18
(Con't)

- (39) Apply heat-resistant paint (TT-P-28) to surfaces, whether insulated or not, where operating temperature is over 400 degrees Fahrenheit. Heat-resisting paint should also be applied to normally uninsulated hot metal surfaces such as boiler drum gages and pressure gage piping. Heat resisting paint is highly flammable during application and should not be applied where surface operating temperatures exceed 85 degrees Fahrenheit. Proper application is two thin coats on well-prepared, dry metal surfaces.
- (40) Avoid excessive power wire brushing that results in a polished surface.
- (41) Apply three coats of a vapor barrier coating compound, MIL-PRF-19565, in contrasting colors (white-orange-white), to insulation within laundries, sculleries, galleys, drying rooms, and to insulation on the warm side of refrigerated stores spaces.
- (42) High temperature areas such as BLISS caps, air eductors, and exhaust stacks are addressed under "exterior exhaust piping" in Table 14.
- (43) In lieu of white, use Light Gray, Color No. 26373 (Low Solar Absorption only). In lieu of black, use Ocean Gray, Color No. 26173 (Low Solar Absorption only).
- (44) The prime coat of Euronavy ES301K must be of an approved primer color in accordance with 2.4.
- (45) PCMS tile on the bow flares shall be painted with the same topcoat as the freeboard.
- (46) Three full coats of MIL-DTL-24441, Type IV, 4-6 mils/coat DFT, may be substituted if the ship's remaining service life is five years or less.**
- (47) The topcoats for ordnance/non-ordnance pyrotechnic locker sun shields shall be painted white (FED STD 595, Color No. 17875).**

STEEL SURFACES TABLE 1	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS 2 YEARS OR LESS SERVICE LIFE	1	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP- 10 -- OR -- WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L	ONE COAT F-150, MIL- DTL-24441, TYPE IV, 4-6 MILS	ONE COAT F-154, MIL-DTL-24441, TYPE IV, 4-6 MILS		2 COATS F-121A, 2 MILS/COAT, 4 MILS MIN TOTAL MIL-P-15931	2 COATS F-129A, 2 MILS/COAT, 4 MILS MIN TOTAL MIL-P-15931	ONE COAT MIL-PRF- 24635 LT GRAY, COLOR NO. 26373 (LOW SOLAR ABSORPTION ONLY) TO BOOTTOPPING & BELOW, 3 MILS ONE COAT COLOR NO 26173 (FED STD 595) MIL-PRF-24635 OCEAN GRAY (LOW SOLAR ABSORPTION ONLY) ABOVE BOOTTOPPING, 3 MILS
			SEE NOTES (1) & (29)	SEE NOTES (1) & (29)		SEE NOTES (6) & (27)	SEE NOTES (2) & (6)	
	2	SAME AS LINE ONE	ONE COAT AMERCOAT 385, 4-6 MILS	ONE COAT AMERCOAT 385, 4-6 MILS		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	3	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327 RED, 5 MILS	ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327 GRAY, 5 MILS		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
			SEE NOTE (4)	SEE NOTE (4)				
	4	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERTUF 262- KHA303/KHA062 , 5 MILS	ONE COAT INTERNATIONAL INTERTUF 262- KHA302/KHA062 , 5 MILS		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
			SEE NOTE (4)	SEE NOTE (4)				
	5	SAME AS LINE ONE	ONE COAT JOTUN 65-R- 10, 4-6 MILS	ONE COAT JOTUN 65-F- 15, 4-6 MILS		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
6	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 235 RED, 5 MILS	ONE COAT AMERON AMERCOAT 235 GRAY , 5 MILS		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	
		SEE NOTE (3)	SEE NOTE (3)					
7	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 230, RED, 5 MILS	ONE COAT AMERON AMERCOAT 230, GRAY, 5 MILS		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	
		SEE NOTE (3)	SEE NOTE (3)					

STEEL SURFACES TABLE 1	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS 2 YEARS OR LESS SERVICE LIFE	8	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, 5 MILS	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 5 MILS		SAME AS LINE ONE -- OR -- 2 COATS SHERWIN WILLIAMS SEAGUARD MARINE N50R100, 2 MILS/COAT, 4 MILS MIN TOTAL SEE NOTES (2) & (6)	SAME AS LINE ONE -- OR -- 2 COATS SHERWIN WILLIAMS SEAGUARD MARINE N50B100, 2 MILS/COAT, 4 MILS MIN TOTAL SEE NOTE (6)	SAME AS LINE ONE
	9	SAME AS LINE ONE	SAME AS LINE 3	SAME AS LINE 3		ONE COAT INTERSLEEK 381 LIGHT PINK (BXA380/BXA381), 3-5 MILS DFT -- & -- ONE COAT INTERSLEEK 42 HAZE GRAY (BXA816/BXA821/ BXA822) OR BLACK (BXA819/BXA821/BXA822) , 5-7 MILS DFT SEE NOTES (2) & (6)	SAME AS LINE ONE	SAME AS LINE ONE

STEEL SURFACES TABLE 1 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS 5 YEARS SERVICE LIFE	10	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, RED, 5 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327, GRAY, 5 MILS SEE NOTE (4)		ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED (MIL-PRF-24647), 5 MILS/COAT SEE NOTES (2) & (6)	2 COATS BRA 642 BLACK (MIL-PRF-24647), 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	11	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERTUF 262- KHA303/KHA062 , 5 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL INTERTUF 262- KHA302/KHA062 , 5 MILS SEE NOTE (4)		ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED (MIL-PRF-24647), 5 MILS/COAT SEE NOTES (2) & (6)	2 COATS BRA 642 BLACK (MIL-PRF-24647), 5 MILS SEE NOTE (6)	SAME AS LINE ONE
	12	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 235, RED, 5 MILS SEE NOTE (3)	ONE COAT AMERON AMERCOAT 235, GRAY, 5 MILS SEE NOTE (3)		ONE COAT AMERON ABC 3 BLACK, ONE COAT AMERON ABC 3 RED (MIL-PRF-24647) 5 MILS/COAT SEE NOTES (2) & (6)	2 COATS AMERON ABC 3 BLACK (MIL-PRF- 24647), 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	13	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 230, 5 MILS SEE NOTE (3)	ONE COAT AMERON AMERCOAT 230, 5 MILS SEE NOTE (3)		ONE COAT AMERON ABC 3 BLACK, ONE COAT AMERON ABC 3 RED (MIL-PRF-24647), 5 MILS/COAT SEE NOTES (2) & (6)	2 COATS AMERON ABC 3 BLACK (MIL-PRF- 24647), 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	14	SAME AS LINE ONE	ONE COAT HEMPADUR 45152-50630 RED, 5 MILS SEE NOTE (5)	ONE COAT HEMPADUR 45152-11480 GRAY, 5 MILS SEE NOTE (5)		ONE COAT OLYMPIC 76600- 19990 BLACK (MIL-PRF- 24647) -- & -- ONE COAT OLYMPIC 76600- 51110 RED (MIL-PRF-24647), 5 MILS/COAT SEE NOTES (2) & (6)	2 COATS OLYMPIC 76600-19990 BLACK (MIL-PRF-24647), 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	15	<i>SAME AS LINE ONE</i>	<i>ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, 5 MILS</i>	<i>ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 5 MILS</i>		<i>ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 AND ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL-PRF-24647), 5 MILS/COAT</i> SEE NOTES (2) & (6)	<i>2 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 (MIL- PRF-24647) 5 MILS/COAT</i> SEE NOTE (6)	<i>SAME AS LINE ONE</i>

STEEL SURFACES TABLE 1 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS 5 YEARS SERVICE LIFE	16	SAME AS LINE ONE	SAME AS LINE 3	SAME AS LINE 3		ONE COAT INTERSLEEK 381 LIGHT PINK (BXA380/BXA381), 3-5 MILS DFT -- & -- ONE COAT INTERSLEEK 425 HAZE GRAY (BXA816/BXA821/BXA822) OR BLACK (BXA819/BXA821/BXA822), 5-7 MILS DFT SEE NOTES (2) & (6)		

STEEL SURFACES TABLE 1 (CONT')	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) 7 YEARS SERVICE LIFE	17	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, RED, 5 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327, GRAY, 5 MILS SEE NOTE (4)		ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED (MIL-PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	2 COATS BRA 642 BLACK (MIL-PRF-24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	18	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERTUF 262- KHA303/KHA062 , 5 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL INTERTUF 262-KHA302/KHA062 , 5 MILS SEE NOTE (4)		ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED (MIL-PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	2 COATS BRA 642 BLACK (MIL-PRF-24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	19	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 235, RED, 5 MILS SEE NOTE (3)	ONE COAT AMERON AMERCOAT 235, GRAY, 5 MILS SEE NOTE (3)		ONE COAT AMERON ABC 3 BLACK, ONE COAT AMERON ABC 3 RED (MIL- PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	2 COATS AMERON ABC 3 BLACK (MIL-PRF-24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	20	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 230, 5 MILS SEE NOTE (3)	ONE COAT AMERON AMERCOAT 230, 5 MILS SEE NOTE (3)		ONE COAT AMERON ABC 3 BLACK, ONE COAT AMERON ABC 3 RED (MIL- PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	2 COATS AMERON ABC 3 BLACK (MIL-PRF-24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	21	SAME AS LINE ONE	ONE COAT HEMPADUR 45152-50630, RED, 5 MILS SEE NOTE (5)	ONE COAT HEMPADUR 45152-11480, GRAY, 5 MILS SEE NOTE (5)		ONE COAT OLYMPIC 76600- 19990, BLACK (MIL-PRF- 24647) -- & -- ONE COAT OLYMPIC 76600- 51110, RED (MIL-PRF- 24647), 6 MILS/COAT SEE NOTES (2) & (6)	2 COATS OLYMPIC 76600- 19990, BLACK (MIL-PRF- 24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	22	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80 , 5 MILS	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80 , 5 MILS		ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 AND ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL- PRF-24647) , 6 MILS/COAT SEE NOTES (2) & (6)	2 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 (MIL- PRF-24647) , 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

STEEL SURFACES TABLE 1 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) 10 TO 12 YEARS SERVICE LIFE	23	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, RED, 5 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327, GRAY, 5 MILS SEE NOTE (4)		ONE COAT BRA 640 RED, ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED (MIL-PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	3 COATS BRA 642 BLACK (MIL-PRF-24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	24	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERTUF 262- KHA303/KHA062 , 5 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL INTERTUF 262-KHA302/KHA062 , 5 MILS SEE NOTE (4)		ONE COAT BRA 640 RED, ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED (MIL-PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	3 COATS BRA 642 BLACK (MIL-PRF-24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	25	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 235, RED, 5 MILS SEE NOTE (3)	ONE COAT AMERON AMERCOAT 235, GRAY, 5 MILS SEE NOTE (3)		ONE COAT AMERON ABC 3 RED, ONE COAT AMERON ABC 3 BLACK, ONE COAT AMERON ABC 3 RED (MIL-PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	3 COATS AMERON ABC 3 BLACK (MIL-PRF- 24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	26	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 230, 5 MILS SEE NOTE (3)	ONE COAT AMERON AMERCOAT 230, 5 MILS SEE NOTE (3)		ONE COAT AMERON ABC 3 RED, ONE COAT AMERON ABC 3 BLACK, ONE COAT AMERON ABC 3 RED (MIL-PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	3 COATS AMERON ABC 3 BLACK (MIL-PRF- 24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	27	SAME AS LINE ONE	ONE COAT HEMPADUR 45152-50630, RED, 5 MILS SEE NOTE (5)	ONE COAT HEMPADUR 45152-11480, GRAY, 5 MILS SEE NOTE (5)		ONE COAT OLYMPIC 76600-51110, RED (MIL- PRF-24647) -- & -- ONE COAT OLYMPIC 76600-19990, BLACK (MIL- PRF-24647) -- & -- ONE COAT OLYMPIC 76600-51110, RED (MIL- PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	3 COATS OLYMPIC 76600-19990, BLACK (MIL-PRF-24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

STEEL SURFACES TABLE 1 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) 10 TO 12 YEARS SERVICE LIFE	28	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, 5 MILS	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 5 MILS		ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10, ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12, AND ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL-PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	3 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 (MIL- PRF-24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

STEEL SURFACES TABLE 1 (CONT')	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (STRUTS, RUDDERS, & OTHER CAVITATION PRONE AREAS)	29	SAME AS LINE ONE	ONE COAT F-150, MIL- DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)	ONE COAT F154, MIL- DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)	4 COATS 3M CO. NO. EC- 2216, ONE COAT, 6 MILS WFT/COAT (4.2 MILS DFT/COAT) 3 COATS, 8 MILS WFT/COAT (5-6 MILS DFT/COAT)	ANTI-FOULING PAINT SAME AS SURROUNDING HULL		
	30	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 235, 3-4 MILS SEE NOTE (3)	ONE COAT AMERON AMERCOAT 235, 5 MILS SEE NOTE (3)	SAME AS LINE 29	SAME AS LINE 12		
	31	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 230, 3-4 MILS SEE NOTE (3)	ONE COAT AMERON AMERCOAT 230, 5 MILS SEE NOTE (3)	SAME AS LINE 29	SAME AS LINE 12		
	32	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, 3-4 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327 5 MILS SEE NOTE (4)	SAME AS LINE 29	SAME AS LINE 10		
	33	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERTUF 262- KHA303/KHA062 , 3-4 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL INTERTUF 262- KHA302/KHA062 , 5 MILS SEE NOTE (4)	SAME AS LINE 29	SAME AS LINE 10		
	34	SAME AS LINE ONE	ONE COAT HEMPADUR 45152-50630 RED, 3-4 MILS SEE NOTE (5)	SAME AS LINE 14	SAME AS LINE 29	SAME AS LINE 14		
	35	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, 3-4 MILS	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 5 MILS	SAME AS LINE 29	SAME AS LINE 15		

STEEL SURFACES TABLE 2	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS & FITTINGS	F MASTS & STACKS EXPOSED TO GASES SEE NOTE (42)	G VERTICAL SURFACES
LOCATION: EXTERIOR SURFACES ABOVE BOOTTOP WITH EXCEPTION OF AREAS RECEIVING NON-SKID AND WELL DECK OVERHEAD AREAS SEE NOTE (2)	1	NEAR WHITE METAL BLAST NACE 2/SSPC-SP- 10 -- OR -- WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS -- OR -- ONE COAT MIL-PRF- 23236, 3-5 MILS DFT	ONE STRIPE COAT AND ONE FULL COAT F-154, MIL-DTL-24441, TYPE IV, 4-6 MILS -- OR -- ONE STRIPE COAT AND ONE FULL COAT MIL- PRF-23236, 3-5 MILS DFT		ONE COAT DECK GRAY NO.26008 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS TOTAL	ONE COAT HAZE GRAY NO. 26270 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- MIL-E-24763 TYPE II, CLASS 2, 3 MILS -- OR -- INTERNATIONAL INTERLAC 1, PRODUCT #45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI- STAIN), 3 MILS -- OR -- NILES CHEMICAL PAINT CO. PRODUCT N-7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 3 MILS -- OR -- AMERON AMERCOAT 7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 3 MILS	ONE COAT HAZE GRAY NO. 26270 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- MIL-E-24763 TYPE II, CLASS 2 PAINT DESIGNATIONS AND MARKINGS MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- INTERNATIONAL INTERLAC 1, PRODUCT #45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI- STAIN), 3 MILS -- OR -- NILES CHEMICAL PAINT CO. PRODUCT N-7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 3 MILS -- OR -- AMERON AMERCOAT 7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 3 MILS
	2	INTENTIONALLY LEFT BLANK						

STEEL SURFACES TABLE 2 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C PRIMER	D	E HORIZONTAL SURFACES DECKS & FITTINGS	F MASTS & STACKS EXPOSED TO GASES SEE NOTE (42)	G VERTICAL SURFACES
LOCATION: HANGAR DECKS, FLIGHT DECKS & VERTICAL REPLENISHMENT DECK AREAS <i>(CV'S AND CVN'S ONLY)</i>	3	NEAR WHITE METAL BLAST, NACE 2/SSPC- SP-10 -- OR -- WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L	<i>PROPRIETARY NON- SKID PRIMER LISTED ON THE QPL FOR MIL- PRF-24667</i> <i>SEE NOTE (7)</i>	<i>STRIPE COAT OF PROPRIETARY NON- SKID PRIMER LISTED ON THE QPL FOR MIL-PRF- 24667</i> <i>SEE NOTE (7)</i>		ONE COAT DARK GRAY, MIL-PRF-24667 TYPE I, COMP G		
<i>HANGAR DECKS, FLIGHT DECKS & VERTICAL REPLENISHMENT DECK AREAS</i>	4	SAME AS LINE 3	PROPRIETARY NON- SKID PRIMER LISTED ON THE QPL FOR MIL- PRF-24667 <i>SEE NOTE (7)</i>	STRIPE COAT OF PROPRIETARY NON-SKID PRIMER LISTED ON THE QPL FOR MIL-PRF-24667 <i>SEE NOTE (7)</i>	PROPRIETARY NON- SKID PRIMER LISTED ON THE QPL FOR MIL- PRF-24667 <i>SEE NOTE (7)</i>	SAME AS LINE 3		
LANDING AREAS <i>(CV'S & CVN'S ONLY)</i>	5	SAME AS LINE 3	SAME AS LINE 3	SAME AS LINE 3		ONE COAT DARK GRAY, MIL-PRF-24667, TYPE I, COMP L <i>SEE NOTE (19)</i>		
WALK AREAS (ALL DECK AREAS OTHER THAN HANGAR, FLIGHT, AND VERTREP)	6	SAME AS LINE 3	SAME AS LINE 4	SAME AS LINE 4	<i>SAME AS LINE 4</i>	ONE COAT MIL-PRF-24667, TYPE I, II, OR III, COMP G -- OR -- ONE COAT MIL-PRF-24667, TYPE IV <i>SEE NOTE (19)</i>		
<i>RAST TRACK TROUGHS WHERE PAINTED (WHERE NON- SKID NOT APPLIED)</i>	7	<i>SAME AS LINE ONE</i>	<i>ONE COAT EURONAVY ES301K/L, 6-8 MILS DFT</i> <i>SEE NOTE (44)</i>	<i>ONE STRIPE COAT EURONAVY ES301S, 6-8 MILS DFT</i>	<i>ONE COAT EURONAVY ES301S, DECK GRAY, 6-8 MILS DFT</i>			

STEEL SURFACES TABLE 2 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E HORIZONTAL SURFACES DECKS & FITTINGS	F MASTS & STACKS EXPOSED TO GASES SEE NOTE (42)	G VERTICAL SURFACES
LOCATION: WELL DECK OVERHEADS, BOTH EXPOSED AND NON-EXPOSED TO LCAC EXHAUST SEE NOTES (30) & (34)	8	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP- 10 SEE NOTE (31)	ONE COAT CREAM SIGMA COATINGS EDGE GUARD PRIMER (PDS NO.5427), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT WD GRAY SIGMA COATINGS EDGE GUARD TOPCOAT (PDS NO.5428), 6-10 MILS DFT SEE NOTE (33)	ONE COAT OFF-WHITE SIGMA COATINGS EDGE GUARD TOPCOAT (PDS NO. 5428), 10-12 MILS DFT SEE NOTE (33)			
	9	SAME AS LINE 8	ONE COAT BUFF SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER (B62H220/B62V220), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62A220/B62V220), 6-10 MILS DFT SEE NOTE (33)	ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62W220/B62V220), 10-12 MILS DFT SEE NOTE (33)			
	10	SAME AS LINE 8	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 WHITE (THA623/627), 6-10 MILS DFT	ONE COAT INTERNATIONAL INTERLINE 624 GRAY (THA625/627), 10-12 MILS DFT			
EXTERIOR STEEL SURFACES	11	POWER TOOL CLEAN TO BARE METAL, SSPC-SP- 11 SEE NOTE (40)	SAME AS LINE ONE	SAME AS LINE ONE		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	12	WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L	SAME AS LINE ONE	SAME AS LINE ONE		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	13	SAME AS LINE 8	SAME AS LINE ONE	SAME AS LINE ONE		SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

STEEL SURFACES TABLE 3	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
LOCATION: INTERIOR COMPARTMENTS COLORS TO BE SPECIFIED BY TYCOM OR SHIP'S COMMANDING OFFICER PER CHAP 631-8.23.4	1	HAND TOOL CLEANING, SSPC-SP-2 SEE NOTES (17), (28) & (40)	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS DFT -- OR -- ONE COAT F-150, MIL-DTL-24441, TYPE IV , 4-6 MILS DFT -- OR -- MIL-PRF-23236, 3-5 MILS DFT SEE NOTE (1)	BHDS, OVHDS, ONE COAT NO. 37038 (FED STD 595), MIL-PRF-24635, 3 MILS TOTAL DECKS ONE COAT NO. 27038 (FED STD 595), MIL-PRF-24635, 3 MILS TOTAL	2 COATS MIL-PRF-24596, WATER- BASED INTERIOR LATEX, 5 MILS MAX DFT -- OR -- 2 COATS NAVY FORMULA 25A, WATER- BASED FIRE RETARDANT COATING, 5 MILS MAX DFT SEE NOTE (9)	ONE COAT NO. 26008 (FED STD 595) MIL-PRF-24635, 3 MILS TOTAL (TO DECKS NOT RECEIVING COVERING)	HULL, VENTILATION & PIPING INSULATION 2 COATS SAME AS BHDS & OVHDS SEE NOTE (28)	FOR COMPT PIPING VENTILATION SEE NOTE (18)
	2	SAME AS LINE ONE	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS DFT -- OR -- ONE COAT F-150, MIL-DTL-24441, TYPE IV , 4-6 MILS DFT -- OR -- MIL-PRF-23236, 3-5 MILS DFT SEE NOTES (1) & (38)	SAME AS LINE ONE	2 COATS DOD-E-24607, 3 MILS TOTAL	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
INTERIOR COMPARTMENTS (OVERCOAT)	3	HAND TOOL CLEANING, SSPC-SP-2 SEE NOTE (28) & (40)	SAME AS LINE ONE FOR BARE METAL AREAS	SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT		SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT

STEEL SURFACES TABLE 3 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
LOCATION: WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES & STOREROOMS WHERE HEAVY CONDENSATION IS COMMON)	4	POWER TOOL CLEANING TO BARE METAL, SSPC- SP-11 SEE NOTES (28) & (40)	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)		ONE COAT F-152, MIL-DTL-24441, TYPE IV, 4-6 MILS/COAT SEE NOTES (1) & (29)	ONE COATS F-151, MIL-DTL-24441, TYPE IV, 4-6 MILS TOTAL (TO DECKS NOT RECEIVING COVERING) SEE NOTES (1) & (29)	SAME AS LINE ONE	SAME AS LINE ONE
	5	SAME AS LINE 4	MIL-PRF-23236		MIL-PRF-23236	MIL-PRF-23236	SAME AS LINE ONE	SAME AS LINE ONE
	6	SAME AS LINE 4	ONE COAT EURONAVY ES301K, 6-8 MILS DFT SEE NOTE (44)		SHERWIN WILLIAMS DURA-PLATE UHS, ONE STRIPE COAT, 6-10 MILS DFT AND ONE FINAL COAT, 10-12 MILS DFT	EURONAVY ES301S, ONE STRIPE COAT, 6-8 MILS DFT AND ONE FINAL COAT, 6-8 MILS DFT	SAME AS LINE ONE	SAME AS LINE ONE
	7	SAME AS LINE 4	ONE COAT SIGMAGLAZE 5492, WHITE ONLY, 8-10 MILS		SIGMAGLAZE 5492, ONE STRIPE COAT, 8-10 MILS DFT, AND ONE FULL COAT, 8-10 MILS DFT, WHITE ONLY		SAME AS LINE ONE	SAME AS LINE ONE
	8	SAME AS LINE 4	ONE COAT ALOCIT 28.15, 6-8 MILS DFT		SAME AS LINE 6	ALOCIT 28.15, ONE STRIPE COAT, 6-8 MILS DFT AND ONE FINAL COAT, 6-8 MILS DFT	SAME AS LINE ONE	SAME AS LINE ONE
	9	SAME AS LINE 4	ONE COAT INTERNATIONAL INTERBOND 998, 6-8 MILS DFT		SAME AS LINE 6	INTERNATIONAL INTERBOND 998, ONE STRIPE COAT, 6-8 MILS DFT AND ONE FINAL COAT, 6-8 MILS DFT	SAME AS LINE ONE	SAME AS LINE ONE

STEEL SURFACES TABLE 3 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
LOCATION: INTERIOR COMPARTMENTS COLORS TO BE SPECIFIED BY TYCOM OR SHIP'S COMMANDING OFFICER PER CHAP 631-8.23.4	10	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTES (17), (28) & (40)	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS DFT -- OR -- ONE COAT F-150, MIL-DTL-24441, TYPE IV , 4-6 MILS DFT -- OR -- ONE COAT MIL-PRF- 23236, 3-5 MILS DFT SEE NOTE (1)	BHDS, OVHDS, ONE COAT NO.37038 (FED STD 595), MIL-PRF- 24635, 3 MILS TOTAL DECKS ONE COAT NO. 27038 (FED STD 595), MIL-PRF-24635, 3 MILS TOTAL	2 COATS MIL-PRF-24596, WATER- BASED INTERIOR LATEX, 5 MILS MAX DFT -- OR -- 2 COATS NAVY FORMULA 25A, WATER- BASED FIRE RETARDANT COATING, 5 MILS MAX DFT SEE NOTE (9)	ONE COAT NO. 26008 (FED STD 595) MIL-PRF-24635, 3 MILS TOTAL (TO DECKS NOT RECEIVING COVERING)	SAME AS LINE ONE	SAME AS LINE ONE
	11	SAME AS LINE 10	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS DFT -- OR -- ONE COAT F-150, MIL-DTL-24441, TYPE IV , 4-6 MILS DFT -- OR -- ONE COAT MIL-PRF- 23236, 3-5 MILS DFT SEE NOTES (1) & (38)	SAME AS LINE ONE	2 COATS DOD-E-24607, 3 MILS TOTAL	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
INTERIOR COMPARTMENTS (OVERCOAT)	12	POWER TOOL CLEANING, SSPC-SP-3	SAME AS LINE ONE FOR BARE METAL AREAS	SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT		SAME AS LINE ONE EXCEPT ONE COAT	SAME AS LINE ONE EXCEPT ONE COAT
MACHINERY SPACES & BILGES	13	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTES (28), (29), & (40)	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)		ABOVE BILGE AREA: 2 COATS F-124, DOD-E- 24607, 2-4 MILS	BILGE AREA: ONE COAT F-156, MIL-DTL-24441, TYPE IV, 4-8 MILS SEE NOTES (1) & (29)	SAME AS LINE ONE	

STEEL SURFACES TABLE 3 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
MACHINERY SPACES & BILGES	14	SAME AS LINE 13	MIL-PRF-23236 SEE NOTE (10)		SAME AS LINE 13	MIL-PRF-23236 SEE NOTE (10)	SAME AS LINE ONE	
	15	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 -- OR -- WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L SEE NOTES (28) & (40)	ONE COAT EURONAVY ES301K, 6-8 MILS DFT SEE NOTE (44)		SAME AS LINE 13	BILGE AREA: ONE STRIPE COAT EURONAVY ES301S, 6- 8 MILS DFT, AND ONE FINAL COAT EURONAVY ES301S, 6- 8 MILS DFT	SAME AS LINE ONE	
	16	SAME AS LINE 15	ONE COAT ALOCIT 28.15, 6- 8 MILS DFT		SAME AS LINE 13	BILGE AREA: ONE STRIPE COAT ALOCIT 28.15, 6-8 MILS DFT -- & -- ONE FINAL COAT ALOCIT 28.15, 6-8 MILS DFT	SAME AS LINE ONE	
	17	SAME AS LINE 15	ONE COAT INTERNATIONAL INTERBOND 998, 6-8 MILS DFT		SAME AS LINE 13	BILGE AREA: ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6-8 MILS DFT -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6-8 MILS DFT	SAME AS LINE ONE	
INTAKE VENT PLENUMS BETWEEN SKIN OF SHIP AND MOISTURE SEPARATORS	18	NEAR WHITE METAL BLAST, NACE 2/SSPC- SP-10	ONE COAT CREAM SIGMA COATINGS EDGE GUARD PRIMER (PDS NO. 5427), 4-8 MILS DFT SEE NOTE (33)		ONE STRIPE COAT WD GRAY SIGMA EDGE GUARD (PDS NO. 5428), 6-10 MILS DFT -- & -- ONE COAT SIGMA COATINGS EDGE GUARD TOPCOAT (PDS NO. 5428), 10-12 MILS DFT SEE NOTE (33)	ONE STRIPE COAT WD GRAY SIGMA EDGE GUARD (PDS NO. 5428), 6-10 MILS DFT -- & -- ONE COAT SIGMA COATINGS EDGE GUARD TOPCOAT (PDS NO. 5428), 10-12 MILS DFT SEE NOTE (33)		

STEEL SURFACES TABLE 3 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTAKE VENT PLENUMS BETWEEN SKIN OF SHIP AND MOISTURE SEPARATORS	19	SAME AS LINE 18	ONE COAT BUFF SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER (B62H220/B62V220), 4-8 MILS DFT SEE NOTE (33)		ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA- PLATE UHS TOPCOAT (B62A220/B62V220), 6-10 MILS DFT -- & -- ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62W220/B62V220), 10-12 MILS DFT SEE NOTE (33)	ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA- PLATE UHS TOPCOAT (B62A220/B62V220), 6-10 MILS DFT -- & -- ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62W220/B62V220), 10-12 MILS DFT SEE NOTE (33)		
	20	WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L	ONE COAT EURONAVY ES301K, 6-8 MILS DFT SEE NOTE (44)		ONE STRIPE COAT EURONAVY ES301S, 6-8 MILS DFT -- & -- ONE FINAL COAT EURONAVY ES301S, 6-8 MILS DFT	ONE STRIPE COAT EURONAVY ES301S, 6-8 MILS DFT -- & -- ONE FINAL COAT EURONAVY ES301S, 6-8 MILS DFT		
	21	SAME AS LINE 18	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, AMBER, 4-8 MILS SEE NOTE (33)		ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411-5000, GRAY, 6-10 MILS, AND ONE FULL COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 10-12 MILS DFT SEE NOTE (33)	ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411-5000, GRAY, 6-10 MILS, AND ONE FULL COAT SIGMA MARINE COATINGS SIGMAGUARD BT, 10-12 MILS DFT SEE NOTE (33)		
	22	SAME AS LINE 18	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT		ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6- 10 MILS DFT, AND ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10- 12 MILS DFT SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6- 10 MILS DFT, AND ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10-12 MILS DFT SEE NOTE (33)		
	23	SAME AS LINE 18	ONE COAT SHERWIN WILLIAMS DURAPLATE UHS PRIMER, 4-8 MILS SEE NOTE (33)		ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6-10 MILS, AND ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10-12 MILS SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6-10 MILS, AND ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10-12 MILS SEE NOTE (33)		

STEEL SURFACES TABLE 3 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C WELDING BAYS & LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
MIXING ROOM/UPTAKE SPACES WITH VENTS OR LOUVERS TO THE OUTSIDE ATMOSPHERE (BULKHEADS AND DECKS)	24	NEAR WHITE METAL BLAST NACE 2/SSPC- SP-10	ONE COAT SIGMA COATINGS EDGE GUARD PRIMER, 4-8 MILS DFT		ONE STRIPE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 6-10 MILS DFT -- & -- ONE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 10- 12 MILS DFT	ONE STRIPE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 6-10 MILS DFT -- & -- ONE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 10- 12 MILS DFT		
	25	SAME AS LINE 24	ONE COAT SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER, 4-8 MILS DFT		ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 6-10 MILS DFT -- & -- ONE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 10-12 MILS DFT	ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 6-10 MILS DFT -- & -- ONE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 10-12 MILS DFT		
	26	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT		ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6-10 MILS DFT -- & -- ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10-12 MILS DFT	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6- 10 MILS DFT -- & -- ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10-12 MILS DFT		
DECKS, INSIDE THE COAMING, UNDER AFF PROPORTIONING UNITS, AND BILGE DRAIN WELLS	27	POWER TOOL CLEAN TO BARE METAL, SSPC- SP-11 -- OR -- WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L SEE NOTE (32)	ONE COAT BELZONA CERAMIC METAL 4311, 12-18 MILS DFT			ONE COAT BELZONA CERAMIC METAL 4311, 12-18 MILS DFT		
	28	SAME AS LINE 27	ONE COAT CHESTERTON ARC 855N, 12-18 MILS DFT			ONE COAT CHESTERTON ARC 855N, 12-18 MILS DFT		
	29	SAME AS LINE 27	ONE COAT PALMER- ENECON CERAMALLOY CL+, 12-18 MILS DFT			ONE COAT PALMER-ENECON CERAMALLOY CL+, 12-18 MILS DFT		
INTERIOR STEEL SURFACES	30	SAME AS LINE 4	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	31	SAME AS LINE 18	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	32	SAME AS LINE 20	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

STEEL SURFACES TABLE 4	LINE	A SURFACE PREPARATION	B	C	D	E	F	G TOTAL
LOCATION: POTABLE WATER TANKS	1	NEAR WHITE METAL BLAST, NACE 2/SSPC- SP-10 SEE NOTE (26)	ONE COAT INTERNATIONAL 5747/5748, GREEN, 3-5 MILS	ONE STRIPE COAT INTERNATIONAL 5753/5754, WHITE, 3-5 MILS	ONE COAT INTERNATIONAL 5753/5754, WHITE, 3-5 MILS			TOTAL SYSTEM 8 MILS MIN, 10 MILS MAX SEE NOTE (37)
	2	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS TANKGUARD N11G100/N11V100, GREEN, 3-5 MILS	ONE STRIPE COAT SHERWIN WILLIAMS TANKGUARD N11L100/N11V101, BLUE, 3-5 MILS	ONE COAT SHERWIN WILLIAMS TANKGUARD N11L100/N11V101, BLUE, 3-5 MILS			TOTAL SYSTEM 8 MILS MIN, 10 MILS MAX SEE NOTE (37)
	3	SAME AS LINE ONE	ONE COAT F-150, MIL-DTL-24441, TYPE III, 2- 4 MILS SEE NOTE (1)	ONE COAT F-156, MIL-DTL-24441, TYPE III, 2- 4 MILS SEE NOTE (1)	ONE COAT F-152, MIL-DTL-24441, TYPE III, 2-4 MILS SEE NOTE (1)			TOTAL SYSTEM 6 MILS MIN, 12 MILS MAX SEE NOTE (37)
	4	INTENTIONALLY LEFT BLANK						

STEEL SURFACES TABLE 5	LINE	A SURFACE PREPARATION	B	C	D	E	F	G TOTAL
LOCATION: FEEDWATER TANKS ONLY	1	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10 SEE NOTE (26)	ONE COAT F-150, MIL-DTL-24441, TYPE III, 2-4 MILS SEE NOTE (1)	ONE COAT F-151, MIL- DTL-24441, TYPE III, 2-4 MILS SEE NOTE (1)	ONE COAT F-152, MIL-DTL-24441, TYPE III, 2-4 MILS SEE NOTE (1)			TOTAL SYSTEM 8 MILS MIN, 12 MILS MAX
	2	SAME AS LINE ONE	CHAP 631, TABLE 631-8-5					

STEEL SURFACES TABLE 6	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
LOCATION: JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMINATED FUEL TANKS, FUEL COMP TANKS, FUEL STORAGE TANKS EDGE RETENTIVE-EXTENDED SERVICE LIFE 15-20 YEARS SEE NOTE (35)	1	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP- 10 SEE NOTE (26)	ONE COAT CREAM SIGMA EDGEGUARD PRIMER (PDS NO. 5427), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT OFF- WHITE SIGMA EDGEGUARD TOPCOAT (PDS NO. 5428), 6-10 MILS DFT SEE NOTE (33)	ONE COAT WD GRAY SIGMA EDGEGUARD TOPCOAT (PDS NO. 5428), 10-12 MILS DFT SEE NOTE (33)			
	2	SAME AS LINE ONE	ONE COAT BUFF SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER (B62H220/B62V220), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62A220/B62V220), 6-10 MILS DFT SEE NOTE (33)	ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62W220/B62V220), 10- 12 MILS DFT SEE NOTE (33)			
	3	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6- 10 MILS DFT SEE NOTE (33)	ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10- 12 MILS DFT SEE NOTE (33)			
JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMINATED FUEL TANKS, FUEL COMP TANKS, FUEL STORAGE TANKS EDGE RETENTIVE SERVICE LIFE 10-12 YEARS SEE NOTE (35)	4	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP- 10 SEE NOTE (26)	ONE COAT CREAM SIGMA EDGEGUARD PRIMER (PDS NO. 5427), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT OFF- WHITE SIGMA EDGEGUARD TOPCOAT (PDS NO. 5428), 6-10 MILS DFT SEE NOTE (33)	ONE COAT WD GRAY SIGMA EDGEGUARD TOPCOAT (PDS NO. 5428), 10-12 MILS DFT SEE NOTE (33)			
	5	SAME AS LINE 4	SAME AS LINE 2	SAME AS LINE 2	SAME AS LINE 2			
	6	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4-8 MILS SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 6-10 MILS SEE NOTE (33)	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10-12 MILS SEE NOTE (33)			

STEEL SURFACES TABLE 6	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
LOCATION: (CON'T) JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMINATED FUEL TANKS, FUEL COMP TANKS, FUEL STORAGE TANKS EDGE RETENTIVE SERVICE LIFE 10-12 YEARS SEE NOTE (35)	7	SAME AS LINE 4	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6- 10 MILS DFT SEE NOTE (33)	ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10- 12 MILS DFT SEE NOTE (33)			
JP-5 TANKS, MOGAS TANKS, FUEL OIL SERVICE TANKS, DIESEL SERVICE TANKS, CONTAMINATED FUEL TANKS, FUEL COMP TANKS, FUEL STORAGE TANKS NORMAL SERVICE LIFE 5-7 YEARS SEE NOTE (35)	8	SAME AS LINE 4	ONE COAT F-150, MIL- DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)		ONE COAT F-152, MIL- DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)			
	9	SAME AS LINE 4	MIL-PRF-23236 SEE NOTE (10)	MIL-PRF-23236 SEE NOTE (10)				
	10	SAME AS LINE 4	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4-8 MILS SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 6-10 MILS SEE NOTE (33)	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10-12 MILS SEE NOTE (33)			

STEEL SURFACES TABLE 6 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
LOCATION: CHT/MSD TANKS	11	SAME AS LINE ONE	ONE COAT CREAM SIGMA EDGE GUARD PRIMER (PDS NO. 5427), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT WD GRAY SIGMA EDGE GUARD TOPCOAT (PDS NO. 5428), 6-10 MILS DFT SEE NOTE (33)	ONE COAT WHITE SIGMA EDGE GUARD TOPCOAT (PDS NO. 5428), 10-12 MILS DFT SEE NOTE (33)			
	12	SAME AS LINE ONE	ONE COAT BUFF SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER (B62H220/B62V220), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62A220/B62V220), 6-10 MILS DFT SEE NOTE (33)	ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT (B62W220/B62V220), 10-12 MILS DFT SEE NOTE (33)			
	13	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6-10 MILS DFT SEE NOTE (33)	ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10-12 MILS DFT SEE NOTE (33)			
AFFF TANKS SEE NOTE (46)	14	SAME AS LINE ONE	SAME AS LINE 12	SAME AS LINE 12	SAME AS LINE 12			
	15	SAME AS LINE ONE	ONE COAT CREAM SIGMA EDGE GUARD PRIMER (PDS NO. 5427), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT WD GRAY SIGMA EDGE GUARD TOPCOAT (PDS NO. 5428), 6-10 MILS DFT SEE NOTE (33)	ONE COAT WHITE SIGMA EDGE GUARD TOPCOAT (PDS NO. 5428), 10-12 MILS DFT SEE NOTE (33)			
	16	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6-10 MILS DFT SEE NOTE (33)	ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10-12 MILS DFT SEE NOTE (33)			

STEEL SURFACES TABLE 6 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
LOCATION: BALLAST TANKS, FLOODABLE VOIDS (SUBSTRATE TEMPERATURE 50 DEGREES FAHRENHEIT AND ABOVE) EDGE RETENTION-EXTENDED SERVICE LIFE 15-20 YEARS SEE NOTE (8)	17	SAME AS LINE ONE	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, AMBER, 4-8 MILS SEE NOTE (33)	ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411- 5000 , GRAY, 6-10 MILS SEE NOTE (33)	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411- S674, AQUA, 10-12 MILS SEE NOTE (33)			
	18	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4-8 MILS SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 6-10 MILS SEE NOTE (33)	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10-12 MILS SEE NOTE (33)			
	19	SAME AS LINE ONE	ONE PRIMER COAT AMERON AMERCOAT 133, 4-8 MILS SEE NOTE (33)	ONE STRIPE COAT AMERON AMERCOAT 333, 6-10 MILS SEE NOTE (33)	ONE COAT AMERON AMERCOAT 333, 10-12 MILS SEE NOTE (33)			
	20	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERGARD 143 (THA 142/THA 148) OFF-WHITE, 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERGARD 143 (THA 143/THA 148) BUFF, 6-10 MILS DFT SEE NOTE (33)	ONE COAT INTERNATIONAL INTERGARD 143 (THA 144/THA 148) GRAY, 10- 12 MILS DFT SEE NOTE (33)			
	21	SAME AS LINE ONE	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6-10 MILS DFT SEE NOTE (33)	ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10- 12 MILS DFT SEE NOTE (33)			

STEEL SURFACES TABLE 6 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
LOCATION: BALLAST TANKS, FLOODABLE VOIDS (SUBSTRATE TEMPERATURE 50 DEGREES FAHRENHEIT AND ABOVE) EDGE RETENTIVE 10-12 YEARS SEE NOTE (8)	22	SAME AS LINE 4	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, AMBER, 4-8 MILS SEE NOTE (33)	ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411- 5000 GRAY, 6-10 MILS SEE NOTE (33)	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411- S674, AQUA, 10-12 MILS SEE NOTE (33)			
	23	SAME AS LINE 4	ONE COAT SHERWIN- WILLIAMS DURA-PLATE UHS PRIMER, 4-8 MILS SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 6-10 MILS SEE NOTE (33)	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10-12 MILS SEE NOTE (33)			
	24	SAME AS LINE 4	ONE PRIMER COAT AMERON AMERCOAT 133, 4-8 MILS SEE NOTE (33)	ONE STRIPE COAT AMERON AMERCOAT 333, 6-10 MILS SEE NOTE (33)	ONE COAT AMERON AMERCOAT 333, 10-12 MILS SEE NOTE (33)			
	25	SAME AS LINE 4	ONE COAT INTERNATIONAL INTERGARD 143 (THA 142/THA 148) OFF-WHITE, 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERGARD 143 (THA 143/THA 148) BUFF, 6-10 MILS DFT SEE NOTE (33)	ONE COAT INTERNATIONAL INTERGARD 143 (THA 144/THA 148) GRAY, 10- 12 MILS DFT SEE NOTE (33)			
	26	SAME AS LINE 4	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6-10 MILS DFT SEE NOTE (33)	ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10- 12 MILS DFT SEE NOTE (33)			

STEEL SURFACES TABLE 6 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL
LOCATION: BALLAST TANKS, FLOODABLE VOIDS (SUBSTRATE TEMPERATURE 50 DEGREES FAHRENHEIT AND ABOVE) NORMAL 5-7 YEARS SERVICE LIFE SEE NOTE (8)	27	SAME AS LINE 4	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4- 6 MILS SEE NOTES (1) & (29)		ONE COAT F-152, MIL- DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)			
	28	SAME AS LINE 4	MIL-PRF-23236	MIL-PRF-23236				
BALLAST TANKS, FLOODABLE VOIDS (USE ONLY WHEN SUBSTRATE TEMPERATURE CANNOT BE MAINTAINED ABOVE 50 DEGREES FAHRENHEIT) NORMAL 5-7 YEARS SERVICE LIFE	29	SAME AS LINE 4	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4- 6 MILS SEE NOTES (1) & (29)		ONE COAT F-152, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)			
	30	SAME AS LINE 4	MIL-PRF-23236, GRADE A	MIL-PRF-23236, GRADE A				

STEEL SURFACES TABLE 7	LINE	A SURFACE PREPARATION	B <i>PRIMER</i>	C	D	E	F	G TOTAL
LOCATION: CHAIN LOCKERS	1	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10 SEE NOTE (29)	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)		ONE COAT F-153 OR F-152, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)			TOTAL SYSTEM 8-12 MILS
	2	SAME AS LINE ONE	MIL-PRF-23236 SEE NOTE (10)	MIL-PRF-23236 SEE NOTE (10)				EACH COAT & TOTAL SYSTEM - APPLY IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA SHEETS. SEE NOTE (11)
	3	<i>INTENTIONALLY LEFT BLANK</i>						
NON-FLOODABLE VOIDS	4	SAME AS LINE ONE	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)		ONE COAT F-152, MIL- DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)			TOTAL SYSTEM 8-12 MILS
	5	SAME AS LINE ONE	MIL-PRF-23236 SEE NOTE (10)	MIL-PRF-23236 SEE NOTE (10)				EACH COAT & TOTAL SYSTEM - APPLY IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA SHEETS. SEE NOTE (11)
	6	<i>SAME AS LINE ONE</i>	<i>ONE COAT INTERNATIONAL INTERGARD 143 (THA 142/THA 148) OFF- WHITE, 4-8 MILS DFT SEE NOTE (33)</i>	<i>ONE STRIPE COAT INTERNATIONAL INTERGARD 143 (THA 143/THA 148) BUFF, 6-10 MILS DFT SEE NOTE (33)</i>	<i>ONE COAT INTERNATIONAL INTERGARD 143 (THA 144/THA 148) GRAY, 10- 12 MILS DFT SEE NOTE (33)</i>			
	7	SAME AS LINE ONE	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, AMBER, 4-8 MILS SEE NOTE (33)	ONE <i>STRIPE</i> COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411-5000, GRAY, 6- 10 MILS SEE NOTE (33)	<i>ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411- S674, AQUA, 10-12 MILS SEE NOTE (33)</i>			

STEEL SURFACES TABLE 7	LINE	A SURFACE PREPARATION	B <i>PRIMER</i>	C	D	E	F	G TOTAL
NON-FLOODABLE VOIDS	8	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS PRIMER, 4-8 MILS SEE NOTE (33)	ONE <i>STRIPE</i> COAT SHERWIN WILLIAMS DURA-PLATE UHS, 6-10 MILS SEE NOTE (33)	ONE COAT SHERWIN WILLIAMS DURA-PLATE UHS, 10-12 MILS SEE NOTE (33)			
	9	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 SEE NOTE (40)	2 COATS F-84, ALKYD ZINC MOLYBDATE, TT-P-645, 3 MILS TOTAL	ONE COAT NO. 27875 (FED STD 595), MIL-PRF-24635, 3 MILS TOTAL				TOTAL SYSTEM 4.5-6 MILS

ALUMINUM SURFACES TABLE 8	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS)	1	NEAR WHITE METAL BLAST USING GARNET OR ALUMINUM OXIDE, MIL-A-21380 TYPE ONE OR MIL-A-22262 -- OR -- WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L	ONE COAT INTERNATIONAL FPL 274/FPA 327, RED, 5 MILS, WITHIN 4 HOURS AFTER SURFACE PREPARATION SEE NOTE (4)	ONE COAT INTERNATIONAL INTERGARD 264-PPJ 034/FPA 327, GRAY, 5 MILS SEE NOTE (4)	ONE COAT INTERNATIONAL BXA 380/BXA 381, DARK GRAY, 3-5 MILS	ONE COAT INTERNATIONAL BXA 816/BXA 821/BXA 822, GRAY, 6 MILS TOTAL	ONE COAT INTERNATIONAL BXA 816/BXA 821/BXA 822, GRAY, 6 MILS TOTAL	ONE COAT INTERNATIONAL BXA 819/BXA 821/BXA 822, BLACK, 3-5 MILS
	2	TOUCH-UP OR REMOVE PAINT SYSTEM TO SOUND PRIMER BY LIGHT ABRASIVE BLASTING WITH BLACK WALNUT SHELLS CONFORMING TO A-A- 1722 TYPE 2 -- & -- SPOT CLEAN, CHAP 631, PARA 631-5.2.4.3 SEE NOTE (21)	FOR TOUCH-UP, OR FOLLOWING PAINT REMOVAL TO SOUND PRIMER, USE APPROPRIATE PAINT SYSTEM FROM LINE ONE					SAME AS LINE ONE
UNDERWATER HULL (KEEL TO BOOTTOP, INCLUDING PROPULSION SHAFT OUTBOARD BEARING VOIDS) APPLIES TO PHM'S ONLY	3	ABRASIVE BLASTING WITH ALUMINUM OXIDE, MIL-A-21380 TYPE ONE, OR BLACK WALNUT SHELLS CONFORMING TO A-A-1722 TYPE 2, TO SOUND PRIMER SEE NOTE (21)	FOR TOUCH-UP OR FOLLOWING PAINT REMOVAL TO SOUND PRIMER, USE APPROPRIATE PAINT SYSTEM FROM LINE ONE					SAME AS LINE ONE

ALUMINUM SURFACES TABLE 8 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (STRUTS, RUDDERS & OTHER CAVITATION PRONE AREAS)	4	SAME AS LINE ONE	ONE COAT MIL-DTL- 24441, TYPE IV , FORMULA 150, 4-6 MILS DFT, WITHIN 4 HOURS AFTER SURFACE PREPARATION SEE NOTE (1)	2 COATS OF INTERNATIONAL PGA 750/751 AT 25 MILS EACH FOR A TOTAL OF 50 MILS DFT		ANTI-FOULING PAINT SAME AS SURROUNDING HULL		
	5	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 235 RED, 3-4 MILS, WITHIN 4 HOURS AFTER SURFACE PREPARATION SEE NOTE (3)	SAME AS LINE 4		SAME AS LINE 4		
	6	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, 3-4 MILS, WITHIN 4 HOURS AFTER SURFACE PREPARATION SEE NOTE (4)	SAME AS LINE 4		SAME AS LINE 4		

ALUMINUM SURFACES TABLE 9	LINE	A SURFACE PREPARATION	B PRIMER	C	D TOPCOAT	E HORIZONTAL SURFACES DECKS & FITTINGS	F MASTS & DECKS EXPOSED TO GASES	G VERTICAL SURFACES
LOCATION: EXTERIOR SURFACES ABOVE BOOTTOP, WITH EXCEPTION OF AREAS RECEIVING NON- SKID	1	ABRASIVE BLASTING, USING GARNET, ALUMINUM OXIDE, OR BLACK WALNUT SHELLS CONFORMING TO A-A-1722 TYPE 2 -- & -- SPOT CLEANING, CHAP 631, PARA 631-5.2.4.3 -- OR -- WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L SEE NOTE (21), (22) & (29)	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS, WITHIN 4 HRS AFTER SURFACE PREPARATION -- OR -- ONE COAT MIL-PRF- 23236, 3-5 MILS DFT	ONE STRIPE COAT F- 151, MIL-DTL-24441, TYPE IV, 4-6 MILS -- OR -- ONE STRIPE COAT MIL- PRF-23236, 3-5 MILS DFT	ONE COAT F-151, MIL-DTL-24441, TYPE IV, 4-6 MILS -- OR -- ONE FULL COAT MIL-PRF-23236, 3-5 MILS DFT	ONE COAT DECK GRAY NO. 26008 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS TOTAL SEE NOTE (47)	ONE COAT HAZE GRAY NO. 26270 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- MIL-E-24763 TYPE II, CLASS 2, 3 MILS -- OR -- INTERNATIONAL INTERLAC 1, PRODUCT #45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI- STAIN), 3 MILS -- OR -- NILES CHEMICAL PAINT CO. PRODUCT N-7229C, HAZE GRAY (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- AMERON AMERCOAT 7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 3 MILS	ONE COAT HAZE GRAY NO. 26270 (FED STD 595), MIL- PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- MIL-E-24763 TYPE II, CLASS 2, 3 MILS PAINT DESIGNATIONS & MARKINGS MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- INTERNATIONAL INTERLAC 1, PRODUCT #45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 3 MILS -- OR -- NILES CHEMICAL PAINT CO. PRODUCT N-7229C, HAZE GRAY (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- AMERON AMERCOAT 7229C, HAZE GRAY (LOW SOLAR ABSORPTION ANTI- STAIN), 3 MILS SEE NOTES (43) & (47)
	2	SAME AS LINE ONE	SEE NOTES (1) & (29)	SEE NOTES (1) & (29)	2 COATS F-84, TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS TOTAL	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

ALUMINUM SURFACES TABLE 9 (CONT)	LINE	A SURFACE PREPARATION	B PRIMER	C	D TOPCOAT	E HORIZONTAL SURFACES DECKS & FITTINGS	F MASTS & DECKS EXPOSED TO GASES	G VERTICAL SURFACES
LOCATION: WALK AREAS ALL DECK AREAS OTHER THAN HANGAR, FLIGHT & VERTICAL REPLENISHMENT DECK AREAS	3	NEAR WHITE BLAST, NACE 2/SSPC-SP-10, USING GARNET, ALUMINUM OXIDE OR BLACK WALNUT SHELLS CONFORMING TO A-A- 1722 TYPE 2 -- OR -- WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L SEE NOTES (21) & (22)	<i>PROPRIETARY NON- SKID PRIMER LISTED ON THE QPL FOR MIL-PRF- 24667</i> SEE NOTE (7)	<i>STRIPE COAT OF PROPRIETARY NON- SKID PRIMER LISTED ON THE QPL FOR MIL-PRF- 24667</i> SEE NOTE (7)	<i>PROPRIETARY NON- SKID PRIMER LISTED ON THE QPL FOR MIL-PRF- 24667</i>	ONE COAT MIL-PRF-24667 TYPE I, II, OR III, COMP G -- OR -- ONE COAT MIL-PRF-24667 TYPE IV SEE NOTE (19)		
HANGAR DECKS, FLIGHT DECKS & VERTICAL REPLENISHMENT DECK AREAS <i>CV AND CVN ONLY</i>	4	SAME AS LINE 3	SAME AS LINE 3	SAME AS LINE 3		ONE COAT DARK GRAY, MIL-PRF-24667 TYPE I, COMP G		
<i>HANGAR DECKS, FLIGHT DECKS, AND VERTICAL REPLENISHMENT DECK AREAS</i>	5	SAME AS LINE 3	SAME AS LINE 3	SAME AS LINE 3	SAME AS LINE 3	SAME AS LINE 4		
<i>RAST TRACK TROUGHS WHERE PAINTED (WHERE NON- SKID NOT APPLIED)</i>	6	NEAR WHITE BLAST, NACE 2/SSPC-SP-10, USING GARNET, ALUMINUM OXIDE OR BLACK WALNUT SHELLS CONFORMING TO A-A- 1722 TYPE 2	ONE COAT EURONAVY ES301K/L, 6-8 MILS DFT SEE NOTE (44)	ONE STRIPE COAT EURONAVY ES301S, 6-8 MILS DFT	ONE COAT EURONAVY ES301S, DECK GRAY, 6-8 MILS DFT			
<i>EXTERIOR ALUMINUM SURFACES</i>	7	POWER TOOL CLEAN TO BARE METAL, SSPC-SP- 11 SEE NOTE (40)	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	8	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

ALUMINUM SURFACES TABLE 10	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
<i>INTERIOR COMPARTMENTS (OVERCOAT)</i>	5	<i>HAND TOOL CLEANING, SSPC-SP-2 SEE NOTE (28) & (40)</i>	<i>SAME AS LINE ONE FOR BARE METAL AREAS</i>	<i>SAME AS LINE ONE EXCEPT ONE COAT</i>	<i>SAME AS LINE ONE</i>		<i>SAME AS LINE ONE EXCEPT ONE COAT</i>	<i>SAME AS LINE ONE EXCEPT ONE COAT</i>
	6	<i>POWER TOOL CLEANING, SSPC-SP-3</i>	<i>SAME AS LINE ONE FOR BARE METAL AREAS</i>	<i>SAME AS LINE ONE</i>	<i>SAME AS LINE ONE EXCEPT ONE COAT</i>		<i>SAME AS LINE ONE EXCEPT ONE COAT</i>	<i>SAME AS LINE ONE EXCEPT ONE COAT</i>
POTABLE WATER TANKS	7	NEAR WHITE BLAST, NACE 2/SSPC-SP-10, TO ACHIEVE 1-1/2 TO 2 MILS ANCHOR PATTERN, USING GARNET OR ALUMINUM OXIDE	TABLE 4, LINES ONE THROUGH 3					

ALUMINUM SURFACES TABLE 10 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
LOCATION: WET SPACES (WASH ROOMS, WATER CLOSETS, SHOWER STALLS, GALLEYS, SCULLERIES & STOREROOMS WHERE HEAVY CONDENSATION IS COMMON)	8	POWER TOOL CLEAN TO BARE METAL, SSPC-SP- 11 SEE NOTES (28) & (40)	ONE COAT SIGMA GLAZE 5492, 8-10 MILS DFT, WHITE ONLY		SIGMA 5492, ONE STRIPE COAT, 8-10 MILS DFT, AND ONE FULL COAT, 8- 10 MILS DFT, WHITE ONLY		SAME AS LINE ONE	SAME AS LINE ONE
	9	SAME AS LINE 8	ONE COAT F-150- MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)		ONE COAT F-152, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)	ONE COAT F-151, MIL-DTL-24441, TYPE IV, 4-6 MILS TOTAL (TO DECKS NOT RECEIVING COVERING) SEE NOTES (1) & (29)	SAME AS LINE ONE	SAME AS LINE ONE
	10	SAME AS LINE 8	MIL-PRF-23236		MIL-PRF-23236	MIL-PRF-23236	SAME AS LINE ONE	SAME AS LINE ONE
	11	SAME AS LINE 8	ONE COAT EURONAVY ES301K, 6-8 MILS DFT SEE NOTE (44)		SHERWIN WILLIAMS DURA-PLATE UHS, ONE STRIPE COAT, 6-10 MILS DFT AND ONE FINAL COAT, 10-12 MILS DFT	EURONAVY ES301S, ONE STRIPE COAT, 6-8 MILS DFT AND ONE FINAL COAT, 6-8 MILS DFT	SAME AS LINE ONE	SAME AS LINE ONE
	12	SAME AS LINE 8	ONE COAT ALOCIT 28.15, 6-8 MILS DFT		SAME AS LINE 11	ALOCIT 28.15, ONE STRIPE COAT, 6-8 MILS DFT AND ONE FINAL COAT, 6-8 MILS DFT	SAME AS LINE ONE	SAME AS LINE ONE
	13	SAME AS LINE 8	ONE COAT INTERNATIONAL INTERBOND 998, 6-8 MILS DFT		SAME AS LINE 11	INTERNATIONAL INTERBOND 998, ONE STRIPE COAT, 6-8 MILS DFT AND ONE FINAL COAT, 6-8 MILS DFT	SAME AS LINE ONE	SAME AS LINE ONE

ALUMINUM SURFACES TABLE 10 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
MACHINERY SPACES AND BILGES	14	POWER TOOL CLEAN TO BARE METAL, SSPC-SP- 11 -- OR -- WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L SEE NOTE (28)	ONE COAT EURONAVY ES301K, 6-8 MILS DFT SEE NOTE (44)		ABOVE BILGE AREA: 2 COATS F-124, DOD-E-24607, 2-4 MILS	BILGE AREA: ONE STRIPE COAT EURONAVY ES301S, 6-8 MILS DFT -- & -- ONE FINAL COAT EURONAVY ES301S, 6-8 MILS DFT	SAME AS LINE ONE	±
	15	SAME AS LINE 14	ONE COAT ALOCIT 28.15, 6-8 MILS DFT		SAME AS LINE 14	BILGE AREA: ONE STRIPE COAT ALOCIT 28.15, 6-8 MILS DFT -- & -- ONE FINAL COAT ALOCIT 28.15, 6-8 MILS DFT	SAME AS LINE ONE	
	16	SAME AS LINE 14	ONE COAT INTERNATIONAL INTERBOND 998, 6-8 MILS DFT		SAME AS LINE 14	BILGE AREA: ONE STRIPE COAT INTERNATIONAL INTERBOND 998, 6-8 MILS DFT -- & -- ONE FINAL COAT INTERNATIONAL INTERBOND 998, 6-8 MILS DFT	SAME AS LINE ONE	
	17	POWER TOOL CLEAN TO BARE METAL, SSPC-SP- 11 SEE NOTE (28)	ONE COAT F-150, MIL- DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)		ABOVE BILGE AREA: 2 COATS F-124, DOD-E- 24607, 2-4 MILS	BILGE AREA: ONE COAT F-156, MIL- DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)	SAME AS LINE ONE	TOTAL SYSTEM 8-12 MILS
	18	SAME AS LINE 17	MIL-PRF-23236 SEE NOTE (10)		MIL-PRF-23236 SEE NOTE (10)	SAME AS LINE 17	SAME AS LINE ONE	

ALUMINUM SURFACES TABLE 10 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
LOCATION: INTAKE VENT PLENUMS, BETWEEN SKIN OF SHIP AND MOISTURE SEPARATORS	19	NEAR WHITE METAL BLAST, NACE 2/SSPC- SP-10	ONE COAT CREAM SIGMA COATINGS EDGE GUARD PRIMER (PDS NO. 5427), 4-8 MILS DFT SEE NOTE (33)		ONE STRIPE COAT WD GRAY SIGMA EDGE GUARD TOP COAT (PDS NO. 5428), 6-10 MILS DFT -- & -- ONE COAT OFF-WHITE SIGMA COATINGS EDGE GUARD TOP COAT (PDS NO. 5428), 10-12 MILS DFT SEE NOTE (33)	ONE STRIPE COAT WD GRAY SIGMA EDGE GUARD TOP COAT (PDS NO. 5428), 6-10 MILS DFT -- & -- ONE COAT OFF-WHITE SIGMA COATINGS EDGE GUARD TOP COAT (PDS NO. 5428), 10-12 MILS DFT SEE NOTE (33)		
	20	SAME AS LINE 19	ONE COAT BUFF SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER (B62H220/B62V220), 4- 8 MILS DFT SEE NOTE (33)		ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA-PLATE UHS TOP COAT (B62A220/B62V220), 6-10 MILS DFT -- & -- ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOP COAT (B62W220/B62V220), 10- 12 MILS DFT SEE NOTE (33)	ONE STRIPE COAT GRAY SHERWIN WILLIAMS NOVA-PLATE UHS TOP COAT (B62A220/B62V220), 6-10 MILS DFT -- & -- ONE COAT WHITE SHERWIN WILLIAMS NOVA-PLATE UHS TOP COAT (B62W220/B62V220), 10- 12 MILS DFT SEE NOTE (33)		
	21	SAME AS LINE 19	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT SEE NOTE (33)		ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6- 10 MILS DFT, AND ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10- 12 MILS DFT SEE NOTE (33)	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6- 10 MILS DFT, AND ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10- 12 MILS DFT SEE NOTE (33)		
	22	SAME AS LINE 19	ONE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5404, AMBER, 4-8 MILS SEE NOTE (33)		ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411- 5000, GRAY, 6-10 MILS, AND ONE FULL COAT SIGMA MARINE COATINGS SEE NOTE (33)	ONE STRIPE COAT SIGMA MARINE COATINGS SIGMAGUARD BT 5411- 5000, GRAY, 6-10 MILS, AND ONE FULL COAT SIGMA MARINE COATINGS SEE NOTE (33)		

ALUMINUM SURFACES TABLE 10 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
INTAKE VENT PLENUMS, BETWEEN SKIN OF SHIP AND MOISTURE SEPARATORS (CON'T)	23	SAME AS LINE 19	ONE COAT SHERWIN WILLIAMS DURAPLATE UHS PRIMER, 4-8 MILS SEE NOTE (33)		ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6-10 MILS, AND ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10-12 MILS SEE NOTE (33)	ONE STRIPE COAT SHERWIN WILLIAMS DURAPLATE UHS, 6-10 MILS, AND ONE FULL COAT SHERWIN WILLIAMS DURAPLATE UHS, 10-12 MILS SEE NOTE (33)		
	24	WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L	ONE COAT EURONAVY ES301K, 6-8 MILS DFT SEE NOTE (44)		ONE STRIPE COAT EURONAVY ES301S, 6-8 MILS DFT -- & -- ONE FINAL COAT EURONAVY ES301S, 6-8 MILS DFT	ONE STRIPE COAT EURONAVY ES301S, 6-8 MILS DFT -- & -- ONE FINAL COAT EURONAVY ES301S, 6-8 MILS DFT		

ALUMINUM SURFACES TABLE 10 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C LIGHT TRAPS	D BULKHEADS & OVERHEADS	E DECKS	F THERMAL INSULATION	G MARKINGS
LOCATION: MIXING ROOM/UPTAKE SPACES WITH VENTS OR LOUVERS TO THE OUTSIDE ATMOSPHERE (BULKHEADS AND DECKS)	25	NEAR WHITE METAL BLAST NACE 2/SSPC-SP- 10	ONE COAT SIGMA COATINGS EDGE GUARD PRIMER, 4-8 MILS DFT		ONE STRIPE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 6-10 MILS DFT -- & -- ONE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 10-12 MILS DFT	ONE STRIPE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 6-10 MILS DFT -- & -- ONE COAT SIGMA COATINGS EDGE GUARD TOPCOAT, 10-12 MILS DFT		
	26	SAME AS LINE 25	ONE COAT SHERWIN WILLIAMS NOVA-PLATE UHS PRIMER, 4-8 MILS DFT		ONE STRIPE COAT SHERWIN WILLIAMS NOVA- PLATE UHS TOPCOAT, 6-10 MILS DFT -- & -- ONE COAT SHERWIN WILLIAMS NOVA-PLATE TOPCOAT, 10-12 MILS DFT	ONE STRIPE COAT SHERWIN WILLIAMS NOVA-PLATE UHS TOPCOAT, 6-10 MILS DFT -- & -- ONE COAT SHERWIN WILLIAMS NOVA-PLATE TOPCOAT, 10-12 MILS DFT		
	27	SAME AS LINE 25	ONE COAT INTERNATIONAL INTERLINE 624 PRIMER (THA626/627), 4-8 MILS DFT)		ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6- 10 MILS DFT -- & -- ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10-12 MILS DFT	ONE STRIPE COAT INTERNATIONAL INTERLINE 624 (THA623/627) WHITE, 6-10 MILS DFT -- & -- ONE COAT INTERNATIONAL INTERLINE 624 (THA625/627) GRAY, 10-12 MILS DFT		
INTERIOR ALUMINUM SURFACES	28	SAME AS LINE ONE	SAME AS LINE 2	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	29	SAME AS LINE 8	SAME AS LINE 2	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE
	30	SAME AS LINE 24	SAME AS LINE 2	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE	SAME AS LINE ONE

WOOD SURFACES TABLE 11	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G HULL DRAFT IDENT. MARKINGS
LOCATION: UNDERWATER HULL	1	BRUSH-OFF BLAST TO REMOVE LOOSE & DETERIORATED COATINGS -- OR -- HIGH-PRESSURE WASH TO REMOVE MARINE GROWTH & LOOSE PAINT SEE NOTE (20)	KEEL TO 6 INCHES ABOVE UPPER BOOTTOP LIMIT ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTE (1)			2 COATS F-121A, MIL-P-15931, 2-3 MILS EACH COAT, TO UNDERWATER HULL, APPENDAGES, SEA CHESTS & STRAINER PLATES UP TO BOTTOM OF BOOTTOPPING AREA MIN DRYING TIME OF 6 HRS BETWEEN COATS OF F-121A MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT & UNDOCKING OF SHIP. PUTTY SCREW HEADS, WHERE COMPOUND IS MISSING, WITH CAULKING COMPOUND CONFORMING TO TT-C-1796 AFTER FIRST COAT OF F-121A SEE NOTE (27)	3 COATS F-129A, MIL-P-15931, 2-3 MILS EACH COAT MIN DRYING TIME OF 6 HRS BETWEEN COATS OF F-129A	ONE COAT NO. 26373 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) LT GRAY, TO BOOTTOPPING & BELOW, 3-4 MILS TOTAL ONE COAT NO. 26173 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) OCEAN GRAY, ABOVE BOOTTOPPING. MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT & UNDOCKING OF SHIP

WOOD SURFACES TABLE 12	LINE	A SURFACE PREPARATION	B PRIMER	C DECKS, MASTS & SPARS	D ALL OTHER SURFACES	E ACCOMMODATION LADDER	F	G IDENT. MARKINGS
LOCATION: EXTERIOR ABOVE BOOTTOPPING	1	HAND TOOL CLEAN -- OR -- POWER TOOL CLEAN TO REMOVE DETERIORATED COATINGS	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS DFT SEE NOTE (1)	ONE COAT NO. 26008 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS TOTAL -- OR -- ONE COAT NO. 37038 (FED STD 595), MIL-PRF-24635, 3 MILS TOTAL	ONE COAT HAZE GRAY NO. 26270 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS TOTAL	4 COATS NAVSEA APPROVED SPAR VARNISH, 6 MILS MIN		PAINT DESIGNATIONS & MARKINGS MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- INTERNATIONAL INTERLAC 1, PRODUCT #45587A HAZE GRAY (LOW SOLAR ABSORPTION ANTI- STAIN), 3 MILS -- OR -- NILES CHEMICAL PAINT CO. PRODUCT N-7229C HAZE GRAY (LOW SOLAR ABSORPTION ONLY), 3 MILS -- OR -- AMERON AMERCOAT 7229C HAZE GRAY (LOW SOLAR ABSORPTION ANTI-STAIN), 3 MILS SEE NOTE (43)

WOOD SURFACES TABLE 13	LINE	A SURFACE PREPARATION	B PRIMER	C	D BULKHEADS & OVERHEADS	E	F	G DESIGNATION & MARKINGS
LOCATION: INTERIOR COMPARTMENTS	1	HAND TOOL CLEAN -- & -- POWER TOOL CLEAN TO BARE WOOD OR TIGHTLY ADHERING INTACT PAINT	2 COATS FORMULA 84, ALKYD ZINC MOLYBDATE, TT-P-645, 3 MILS DFT		2 COATS MIL-PRF-24596, WATER-BASED INTERIOR LATEX, 5 MILS MAX DFT -- OR -- 2 COATS NAVY FORMULA 25A, WATER- BASED FIRE RETARDANT COATING, 5 MILS MAX DFT SEE NOTES (9) & (17)			FOR COMPARTMENT PIPING & VENTILATION SEE NOTE (18)
	2	SAME AS LINE ONE	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTE (1)		2 COATS DOD-E-24607, 3 MILS SEE NOTES (17) & (38)			SAME AS LINE ONE

VARIOUS LOCATIONS TABLE 14	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F TOTAL SYSTEM	G DESIGNATION & MARKINGS
LOCATION: UNHEATED PIPING, FITTINGS, VALVES	1	HAND TOOL CLEAN, SSPC-SP-2 -- & -- POWER TOOL CLEAN, SSPC-SP-3 SEE NOTE (40)	ONE COAT F-84, ALKYD ZINC MOLYBDATE, TT-P-645, 1.5 MILS -- OR -- NILES CHEMICAL PAINT CO. PRODUCT N-6974, ONE MIL TOTAL	ONE COAT F-84, ALKYD ZINC MOLYBDATE, TT-P-645, 1.5 MILS	2 COATS OF BILGE FINISH COAT TO MATCH SURROUNDING SURFACES, INCLUDING LAGGED SURFACES			ONE COAT MIL-PRF-24635, 1.5 MILS, FOR COLOR CODED SYSTEMS
	2	SAME AS LINE ONE	ONE COAT F-150, MIL-DTL-24441, TYPE IV , 4-6 MILS SEE NOTE (1)		SAME AS LINE ONE			
UNHEATED FERROUS MACHINERY EXTERNAL SURFACES	3	SAME AS LINE ONE	SAME AS LINE ONE		ONE COAT F-111, MIL-E-15090, 1.5 MILS -- OR -- ONE COAT NO. 26307 (FED STD 595), MIL-PRF-24635, 3 MILS			
MACHINERY, GAGEBOARDS SEE NOTE (39)	4	SAME AS LINE ONE	SAME AS LINE ONE	2 COATS F-111, MIL-E-15090, 3 MILS TOTAL -- OR -- ONE COAT NO. 26307 (FED STD 595), MIL-PRF-24635, 3 MILS TOTAL				
FERROUS SHEET METAL SURFACES (UNHEATED, EXTERNAL & INTERNAL)	5	SAME AS LINE ONE	SAME AS LINE ONE	ONE COAT OF FINISH COAT TO MATCH SURROUNDING COMPARTMENT OR AREA				
UNINSULATED SIDE OF BULKHEAD OR SHELL ADJACENT TO SEA OR AC BOUNDARY	6	POWER TOOL CLEAN TO BARE METAL, SSPC-SP- 11	ONE COAT F-150, MIL-DTL-24441, TYPE IV , 4-6 MILS SEE NOTES (1) & (29)	ONE COAT F-151, MIL-DTL-24441, TYPE IV , 4-6 MILS SEE NOTES (1) & (29)	FORMULA 126 , DOD-E-24607, 5 MILS DFT AS BINDER SEE NOTE (36)	VERMICULITE, ASTM C516 TYPE I, GRADE 4, SPRAYED SEE NOTE (36)	FORMULA 124, DOD-E-24607, 2-4 MILS DFT	
	7	SAME AS LINE 6	ONE COAT HEMPADUR 45152-50630, 5 MILS	ONE COAT HEMPEL ANTI-CONDENS 617US- 10000, 50-60 MILS				

VARIOUS LOCATIONS TABLE 14 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F TOTAL SYSTEM	G DESIGNATION & MARKINGS
LOCATION: BOILERS & ECONOMIZERS (EXCEPT PARTS USED FOR HEAT TRANSFER), MACHINERY CASINGS, FERROUS SHEET METAL & PIPING SURFACES EXCEEDING 125 DEGREES FAHRENHEIT	8	SAME AS LINE ONE	2 COATS OF HEAT RESISTANT PAINT, AMERCOAT 892HS, 3 MILS TOTAL SEE NOTE (39)		SAME AS LINE ONE			
ELECTRICAL EQUIPMENT, ELECTRONIC EQUIPMENT & CABLES	9	SAME AS LINE ONE	ONE COAT F-84, TT-P-645, ALKYD ZINC MOLYBDATE, 1.5 MILS	2 COATS F-111, MIL-E-15090, 3 MILS TOTAL -- OR -- ONE COAT NO. 26307 (FED STD 595), MIL-PRF-24635, 3 MILS TOTAL				
CABLE, INTERIOR (OTHER THAN PVC, LOW SMOKE)	10	SAME AS LINE ONE	2 COATS FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, 3 MILS	2 COATS F-25A OR 2 COATS WATER-BASED LATEX PER MIL-PRF-24596, 5 MILS MAX DFT	2 COATS DOD-E-24607 CHLORINATED ALKYD, 3 MILS TOTAL (FOR COLOR MATCH IF REQUIRED)			
CABLE, EXTERIOR (OTHER THAN PVC, LOW SMOKE)	11	SAME AS LINE ONE	SAME AS LINE 9	ONE COAT MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY) TO MATCH SURROUNDING AREA, 3 MILS				
ELECTRICAL/ELECTRONIC CABLES (PVC, LOW SMOKE)	12	SAME AS LINE ONE	2 COATS MIL-PRF-24596, WATER- BASED LATEX, 5 MILS MAX DFT -- OR -- 2 COATS OF FORMULA 25A, 5 MILS MAX DFT		2 COATS OF DOD-E-24607, 3 MILS TOTAL (FOR COLOR MATCH IF REQUIRED)			

VARIOUS LOCATIONS TABLE 14 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F TOTAL SYSTEM	G DESIGNATION & MARKINGS
LOCATION: ANCHOR (SURFACE SHIP BOW ANCHORS) FOR ANCHORS BELOW LOWER BOOTTOPPING LIMIT, SEE NOTE (13)	13	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10 SEE NOTES (14) & (29)	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS -- OR -- ONE COAT MIL-PRF-23236, 3-5 MILS DFT SEE NOTES (1) & (29)	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS -- OR -- ONE COAT MIL-PRF-23236, 3-5 MIS DFT SEE NOTES (1) & (29)	ONE COAT HAZE GRAY, NO. 26270 (FED STD 595), MIL-PRF-24635 (LOW SOLAR ABSORPTION ONLY), 3 MILS TOTAL		7 MILS MIN, 11 MILS MAX	
ANCHOR CHAIN	14	COMMERCIAL BLAST CLEAN, SSPC-SP-6 SEE NOTES (14) & (16)	ONE COAT AMERON PSX 700 TO HOLD BLAST, 1-2 MILS	ONE COAT AMERON PSX 700, 4-5 MILS	ONE COAT AMERON PSX 700, 4-5 MILS		10 MILS MIN, 12 MILS MAX	AMERON PSX 700 SEE NOTE (15)
GALVANIZED SURFACES	15	BRUSH-OFF BLAST, SSPC-SP-7 -- OR -- POWER TOOL CLEAN, SSPC-SP-3 SEE NOTES (14) & (29)	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)		ONE COAT F-152, F-153 OR F-156, MIL-DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)		8 MILS MIN, 12 MILS MAX	
EXHAUST PIPE EXTERIOR	16	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10		ONE COAT AMERCOAT 892HS, HAZE GRAY #26270, 2-3 MILS DFT			NOT TO EXCEED 5 MILS DFT	
PCMS (REPAIRS)	17	STRIP PAINT, USING "PEEL-AWAY-7" -- OR -- PLASTIC MEDIA BLASTER -- OR -- SODIUM BICARBONATE MEDIA BLASTER SEE REPAIR & INSTALLATION METHODS, RIM 05T1-99			ONE COAT HAZE GRAY, MIL-E-24763 (LOW SOLAR ABSORPTION ONLY), 3-5 MILS DFT (TOP COAT OF PCMS) SEE NOTE (45)			
PCMS (NEW INSTALLATION)	18	NEAR WHITE METAL BLAST, NACE 2/SSPC-SP-10 -- OR -- POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11	ONE COAT F-150, MIL-DTL-24441, TYPE IV, 4-6 MILS DFT SEE NOTES (1) & (29)	ONE COAT F-151, MIL-DTL-24441, TYPE IV, 4-6 MILS DFT SEE NOTES (1) & (29)	SAME AS LINE 17			

VARIOUS LOCATIONS TABLE 14 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F TOTAL SYSTEM	G DESIGNATION & MARKINGS
INTERIOR DECK PASSAGEWAYS NOT RECEIVING DECK COVERINGS SEE NOTE (12)	19	NEAR WHITE METAL BLAST NACE 2/SSPC-SP- 10 -- OR -- POWER TOOL CLEAN TO BARE METAL SSPC-SP- 11	ONE COAT AMERON AMERCOAT 238, 10 MILS	ONE COAT AMERON AMERCOAT 238, 10 MILS				
	20	SAME AS LINE 19	SIGMAGUARD CSF GLASS FLAKE 5487, 10 MILS	SIGMAGUARD CSF GLASS FLAKE 5487, 10 MILS				

STEEL SURFACES TABLE 15	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E	F	G TOTAL SYSTEM
LOCATION: STRUCTURE & FITTINGS BELOW DECK PLATES IN MACHINERY SPACES (BILGES, BILGE WELLS & SUMPS) NOTE: FOR RECOAT OR TOUCH-UP OF EXISTING COATING SYSTEMS ONLY. FOR COMPLETE BILGE COATING, SEE TABLE 3, LINES 13 THROUGH 17	1	POWER TOOL CLEAN TO BARE METAL, SSPC-SP-11 -- OR -- WATERJETTING TO NACE 5/SSPC-SP-12 CONDITION WJ-2L SEE NOTES (29) & (40)	ONE COAT F-150, MIL- DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)		ONE COAT F-156, MIL- DTL-24441, TYPE IV, 4-6 MILS SEE NOTES (1) & (29)			8 MILS MIN, 12 MILS MAX
	2	SAME AS LINE ONE	MIL-PRF-23236 SEE NOTE (10)					EACH COAT & TOTAL SYSTEM - APPLY IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED DATA SHEETS SEE NOTE (11)

GRP FIBERGLASS SURFACES TABLE 16	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
<p>LOCATION:</p> <p>UNDERWATER HULL (KEEL TO TOP OF BOOTTOP)</p> <p>SERVICE LIFE FOR 2 YEARS OR LESS</p>	1	<p>HIGH PRESSURE WASH TO REMOVE MARINE GROWTH AND LOOSE PAINT -- OR -- TOUCH-UP OR REMOVAL OF PAINT SYSTEM TO SOUND PRIMER BY LIGHT ABRASIVE BLASTING WITH BLACK WALNUT SHELLS CONFORMING TO A-A-1722 TYPE 2 -- & -- SPOT CLEAN, CHAP 631-5.2.6</p> <p>SEE NOTE (21)</p>	<p>ONE COAT F-150, MIST COAT, MIL-DTL-24441, TYPE IV, 4-6 MILS DFT</p> <p>SEE NOTES (1) & (29)</p>	<p>ONE COAT F-151, MIL-DTL-24441, TYPE IV, 4-6 MILS DFT</p> <p>SEE NOTES (1) & (29)</p>		<p>2 COATS F-121A, 2 MILS/COAT, 4 MILS MIN TOTAL, MIL-P-15931 MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT AND UNDOCKING OF SHIP</p> <p>SEE NOTE (27)</p>	<p>2 COATS F-129A, 2 MILS/COAT, 4 MILS MIN TOTAL, MIL-P-15931 MIN DRYING TIME OF 24 HRS SHALL BE ALLOWED BETWEEN LAST COAT AND UNDOCKING OF SHIP</p> <p>SEE NOTE (27)</p>	<p>ONE COAT MIL-PRF-24635, LT GRAY, COLOR NO. 26373 (LOW SOLAR ABSORPTION ONLY) TO BOOTTOPPING & BELOW, 3 MILS</p> <p>ONE COAT COLOR NO. 26173 (FED STD 595), MIL-PRF-24635, OCEAN GRAY (LOW SOLAR ABSORPTION ONLY) ABOVE BOOTTOPPING, 3 MILS</p>
<p>UNDERWATER HULL (KEEL TO TOP OF BOOTTOP)</p> <p>5 YEARS SERVICE LIFE</p>	2	<p>SAME AS LINE ONE</p>	<p>ONE COAT INTERNATIONAL FPL 274/FPA 327, MIST COAT -- OR -- INTERTUF 262-KHA303/KHA062 MIST COAT</p> <p>SEE NOTE (4)</p>	<p>ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327, 5 MILS -- OR -- INTERTUF 262-KHA302/KHA062, 5 MILS</p> <p>SEE NOTE (4)</p>		<p>ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED, 5 MILS/COAT</p> <p>SEE NOTES (2) & (6)</p>	<p>2 COATS BRA 642 BLACK, 5 MILS/COAT</p> <p>SEE NOTE (6)</p>	<p>SAME AS LINE ONE</p>
	3	<p>SAME AS LINE ONE</p>	<p>ONE COAT AMERON AMERCOAT 235, MIST COAT</p>	<p>ONE COAT AMERON AMERCOAT 235, 5 MILS</p>		<p>ONE COAT AMERON ABC3 BLACK, ONE COAT AMERON ABC3 RED, 5 MILS EACH COAT</p> <p>SEE NOTES (2) & (6)</p>	<p>2 COATS AMERON ABC3 BLACK, 5 MILS EACH COAT</p> <p>SEE NOTE (6)</p>	<p>SAME AS LINE ONE</p>
	4	<p>SAME AS LINE ONE</p>	<p>ONE COAT HEMPADUR 45152-50630 RED, 5 MILS</p> <p>SEE NOTE (5)</p>	<p>ONE COAT HEMPADUR 45152-11480 GRAY, 5 MILS</p> <p>SEE NOTE (5)</p>		<p>ONE COAT OLYMPIC 76600-19990 BLACK -- & -- ONE COAT OLYMPIC 76600-51110 RED, 5 MILS/COAT</p> <p>SEE NOTES (2) & (6)</p>	<p>2 COATS OLYMPIC 76600-19990 BLACK, 5 MILS/COAT</p> <p>SEE NOTE (6)</p>	<p>SAME AS LINE ONE</p>
	5	<p>SAME AS LINE ONE</p>	<p>ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, 5 MILS</p>	<p>ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 5 MILS</p>		<p>ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ012 AND ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL-PRF-24647), 5 MILS/COAT</p> <p>SEE NOTES (2) & (6)</p>	<p>2 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 (MIL-PRF-24647), 5 MILS/COAT</p> <p>SEE NOTE (6)</p>	<p>SAME AS LINE ONE</p>

GRP FIBERGLASS SURFACES TABLE 16 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 7 YEARS SERVICE LIFE	6	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, MIST COAT -- OR -- INTERTUF 262- KHA303/KHA062 MIST COAT SEE NOTE (4)	ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327, 5 MILS -- OR -- INTERTUF 262- KHA302/KHA062 , 5 MILS SEE NOTE (4)		ONE COAT BRA 642 BLACK, ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES (2) & (6)	2 COATS BRA 642 BLACK, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	7	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 235, MIST COAT	ONE COAT AMERON AMERCOAT 235, 5 MILS		ONE COAT AMERON ABC3 BLACK, ONE COAT AMERON ABC3 RED, 6 MILS EACH COAT SEE NOTES (2) & (6)	2 COATS AMERON ABC3 BLACK, 6 MILS EACH COAT SEE NOTE (6)	SAME AS LINE ONE
	8	SAME AS LINE ONE	ONE COAT HEMPADUR 45152-50630 RED, 5 MILS SEE NOTE (5)	ONE COAT HEMPADUR 45152-11480 GRAY, 5 MILS SEE NOTE (5)		ONE COAT OLYMPIC 76600-19990 BLACK -- & -- ONE COAT OLYMPIC 76600-51110 RED, 6 MILS/COAT SEE NOTES (2) & (6)	2 COATS OLYMPIC 76600-19990 BLACK, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	9	<i>SAME AS LINE ONE</i>	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, 5 MILS	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 5 MILS		ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 AND ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL- PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	2 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 (MIL- PRF-24647), 6 MILS/COAT SEE NOTE (6)	<i>SAME AS LINE ONE</i>
UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE LIFE	10	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, MIST COAT -- OR -- INTERTUF 262- KHA303/KHA062 MIST COAT SEE NOTE (4)	ONE COAT INTERNATIONAL INTERGARD 264-FPJ 034/FPA 327, 5 MILS -- OR -- INTERTUF 262- KHA302/KHA062 , 5 MILS SEE NOTE (4)		ONE COAT BRA 640 RED, ONE COAT BRA 642, BLACK, ONE COAT BRA 640 RED, 6 MILS/COAT SEE NOTES (2) & (6)	3 COATS BRA 642 BLACK, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

GRP FIBERGLASS SURFACES TABLE 16 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
UNDERWATER HULL (KEEL TO TOP OF BOOTTOP) 10 TO 12 YEARS SERVICE LIFE	11	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 235, MIST COAT	ONE COAT AMERON AMERCOAT 235, 5 MILS		ONE COAT AMERON ABC3 RED, ONE COAT AMERON ABC3 BLACK, ONE COAT AMERON ABC3 RED, 6 MILS EACH COAT SEE NOTES (2) & (6)	3 COATS AMERON ABC3 BLACK, 6 MILS EACH COAT SEE NOTE (6)	SAME AS LINE ONE
	12	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, 5 MILS	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 5 MILS		ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10, ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12, AND ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL- PRF-24647), 6 MILS/COAT SEE NOTES (2) & (6)	3 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 (MIL- PRF-24647), 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE
	13	SAME AS LINE ONE	ONE COAT HEMPADUR 45152-50630 RED, 5 MILS SEE NOTE (5)	ONE COAT HEMPADUR 45152-11480 GRAY, 5 MILS SEE NOTE (5)		ONE COAT OLYMPIC 76600-51110 RED -- & -- ONE COAT OLYMPIC 76600-19990 BLACK -- & -- ONE COAT OLYMPIC 76600-51110 RED, 6 MILS/COAT SEE NOTES (2) & (6)	3 COATS OLYMPIC 76600-19990 BLACK, 6 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

GRP FIBERGLASS SURFACES TABLE 16 (CON'T)	LINE	A SURFACE PREPARATION	B PRIMER	C	D	E KEEL TO BOTTOM OF BOOTTOP	F BOOTTOP	G DRAFT MARKS
LOCATION: UNDERWATER HULL METAL APPENDAGES (STRUTS, RUDDERS & OTHER CAVITATION PRONE AREAS) 2 YEARS OR LESS SERVICE LIFE	14	SAME AS LINE ONE	ONE COAT MIL-DTL- 24441, TYPE IV , FORMULA 150, 4-6 MILS SEE NOTE (1)	2 COATS OF INTERNATIONAL PGA 750/751 AT 25 MILS EACH FOR A TOTAL OF 50 MILS DFT		ANTI-FOULING PAINT SAME AS SURROUNDING HULL		
UNDERWATER HULL METAL APPENDAGES (STRUTS, RUDDERS & OTHER CAVITATION PRONE AREAS) 5 TO 10 YEARS SERVICE LIFE	15	SAME AS LINE ONE	ONE COAT INTERNATIONAL FPL 274/FPA 327, 3-4 MILS SEE NOTE (4)	SAME AS LINE 11		SAME AS LINE 11 SEE NOTE (6)	SEE NOTE (6)	
	16	SAME AS LINE ONE	ONE COAT AMERON AMERCOAT 235, 3-4 MILS SEE NOTE (3)	SAME AS LINE 11		SAME AS LINE 11 SEE NOTE (6)	SEE NOTE (6)	
	17	SAME AS LINE ONE	ONE COAT HEMPADUR 45152-50630 RED, 3-4 MILS	SAME AS LINE 11		SAME AS LINE 11 SEE NOTE (6)	SEE NOTE (6)	
	18	SAME AS LINE ONE	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23RQ82/P23VQ80, 5 MILS	ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P23AQ81/P23VQ80, 5 MILS		ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30BQ12 AND ONE COAT SHERWIN WILLIAMS SEAGUARD MARINE P30RQ10 (MIL- PRF-24647), 5 MILS/COAT SEE NOTES (2) & (6)	2 COATS SHERWIN WILLIAMS SEAGUARD MARINE P30BQ012(MIL- PRF-24647), 5 MILS/COAT SEE NOTE (6)	SAME AS LINE ONE

FIBROUS GLASS BOARDS (INTERIOR) TABLE 18	LINE	A SURFACE PREPARATION	B PRIMER	C BULKHEADS & OVERHEADS	D	E	F	G
LOCATION: INTERIOR FIBROUS GLASS BOARDS	1	SOAP & WATER CLEAN & HAND SAND AS NECESSARY	ONE COAT FORMULA 84, TT-P-645, ALKYD ZINC MOLYBDATE, 1.5 MILS	2 COATS WATER-BASED INTERIOR LATEX, MIL-PRF-24596, 5 MILS MAX DFT -- OR -- 2 COATS NAVY F-25A FIRE RETARDANT INTERIOR LATEX, 5 MILS MAX DFT				
	2	SAME AS LINE ONE	ONE COAT F-150, MIL-DTL-24441, TYPE IV , 4-6 MILS SEE NOTE (1)	2 COATS OF FINISH COAT DOD-E-24607, 3 MILS TOTAL , F-124, 125, OR 126 (COLOR TO BE DESIGNATED)				